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500 CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME
OF PRIME CONTRACT AWARDS FOR RDT&E, FY-82. (U)
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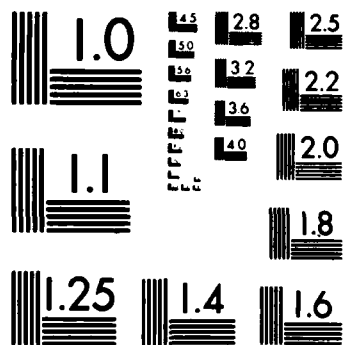
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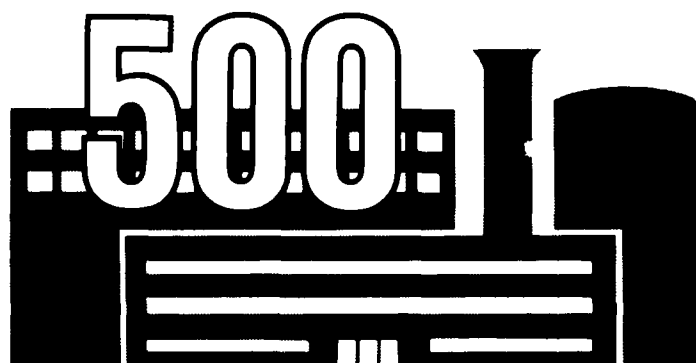
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MICROCOPY RESOLUTION TEST CHART
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DIRECTORATE FOR INFORMATION OPERATIONS AND COMMUNICATIONS
THE PENTAGON, WASHINGTON

Department of Defense

**500 CONTRACTORS RECEIVING THE LARGEST
DOLLAR VOLUME OF PRIME CONTRACT AWARDS FOR
RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

Fiscal Year 1982

Issued Annually by

Department of Defense
Washington Headquarters Services
Directorate for Information
Operations and Reports

FOREWORD

500 Contractors Receiving the Largest Dollar Volume of Prime Contract Awards for Research, Development, Test, and Evaluation (RDT&E) is published annually by the Office of the Secretary of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (WHS/DIOR).

This report provides information on the 500 contractors that received the largest dollar volume in Department of Defense (DOD) prime contract awards over \$10,000 for RDT&E in Fiscal Year (FY) 1982. These data are presented in five tables showing:

1. An alphabetical listing of the top 500 companies, with rank;
2. The ranking of and net value of awards to business firms operating in the United States;
3. The ranking of and net value of awards to educational and other nonprofit institutions operating in the United States;
4. The ranking of and net value of awards to foreign contractors; and
5. The ranking of and net value of awards to U.S. Government agencies.

Requests for additional information should be addressed to the WHS/DIOR Special Projects Division, Room 1C535, The Pentagon, Washington, D.C., 20301.

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INTRODUCTION

This report presents summary data on the 500 prime contractors receiving the largest dollar volume in Department of Defense (DOD) awards over \$10,000 for research, development, test, and evaluation (RDT&E) work during Fiscal Year (FY) 1982. RDT&E work can include research, exploratory development, advanced development, engineering development, operational systems development, or management and support services. (Full definitions for each of these categories are provided in Defense Acquisition Regulation 4-101.)

Table 1 (page 5) lists the 500 contractors in alphabetical order, shows the ranking for each, and shows how each has been categorized for reporting purposes. The categories are business firm (B), foreign contractor (F), and nonprofit institution (N). Table 2 (page 11) shows the net value of awards to business firms operating in the United States, by rank. Those firms which qualify as small businesses are further identified by an "S". The net value of awards to each of the firm's individual locations is also provided. Tables 3, 4, and 5 (pages 25, 29, and 31, respectively) provide the net value of awards to educational and other nonprofit institutions operating in the United States, foreign contractors, and U.S. government agencies, respectively. (While awards to U.S. government agencies are listed separately in Table 5, these agencies are categorized as nonprofit institutions in Table 1.) As in Table 2, contractors in Tables 3 through 5 are shown by rank, along with the net value of awards to each of the contractor's individual locations.

NOTES ON COVERAGE

The dollar amounts shown here include prime contract awards over \$10,000 for RDT&E work only. Data on awards for other services, such as training, and on any supplies furnished by the contractors in support of research being done are excluded. Contract awards for civil functions have been included in these data. Civil functions encompass planning, programming, designing, constructing, and operating Federal water resource projects for navigation, flood control, hydroelectric power production, water supply, and other related activities.

The locations shown in the tables are the places where the work was to be performed. Normally, this is a facility of the concern awarded the contract. However, if the work was scheduled to be performed at a Defense facility, such as an Air Force base, the location shown is that of the Defense facility rather than the contractor.

HIGHLIGHTS OF FY 1982 DATA

The following table shows the net value and percent distribution of all RDT&E awards, RDT&E awards to the top 500 companies, and all other RDT&E awards for FY 1982.

TYPE OF CONTRACTOR	TOTAL RDT&E CONTRACTORS			TOP 500 CONTRACTORS — RDT&E			ALL OTHER RDT&E CONTRACTORS		
	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL
RDTE — TOTAL	2,108	\$14,882,248	100	500	\$14,611,335	100	1,608	\$270,913	100
BUSINESS FIRMS	1,686	13,321,360	90	379	13,101,315	90	1,307	220,045	81
Small	1,177	722,050	5	192	560,358	4	985	161,692	60
Large	509	12,599,310	85	187	12,540,957	86	322	58,353	22
EDUCATIONAL & NONPROFIT	326	1,499,874	10	110	1,457,166	10	216	42,708	16
Educational	213	851,797	6	83	822,498	6	130	29,299	11
Other Nonprofit	113	648,077	4	27	634,668	4	86	13,409	5
U.S. GOVERNMENT AGENCIES	13	34,771	*	4	33,066	*	9	1,705	1
FOREIGN	83	26,243	*	7	19,788	*	76	6,455	2
Nonprofit	48	3,405	*	0	0	*	48	3,405	1
Business Firms	35	22,848	*	7	19,788	*	28	3,050	1

NOTE: An "*" in the percent column represents a figure of less than 0.05 percent. Percentages may not add due to rounding.

The distribution of FY 1982 awards varies only slightly from that in FY 1981. In FY 1982, the top 500 contractors included 379 U.S. business firms (192 of which were small businesses); 110 educational and nonprofit institutions; 7 foreign contractors; and 4 U.S. government agencies. In FY 1982, there were 98 contractors on the top 500 list that had not appeared on the FY 1981 list.

In FY 1981 the top 500 consisted of 383 U.S. business firms (190 were small businesses); 106 educational and nonprofit institutions; 7 foreign contractors; and 4 U.S. government agencies.

In addition to the top 500 contractors, there were 1,608 other contractors for whom RDT&E procurement actions over \$10,000 were reported, for a total of 2,108 contractors for FY 1982. In FY 1981, the total number of contractors was 2,008. The top 500 RDT&E contractors received awards totaling \$14,611 million in FY 1982, compared to \$10,225 million in FY 1981, an increase of \$4,386 million or 10.5 percent. The \$14,611 million represents 98.2 percent of the \$14,882 million total prime contract awards over \$10,000 for RDT&E work in FY 1982.

Of the 30 contractors with RDT&E awards of \$100 million or more in FY 1982, 26 were business firms and 4 were educational and other nonprofit institutions. These 30 contractors had a total of \$11,182 million in RDT&E awards. In FY 1981, there were 25 contractors who reached the \$100 million plateau, with awards totaling \$6,651 million. Of these 25 contractors, 21 were business firms and 4 were educational and other nonprofit institutions. The amount of awards for this \$100 million group increased by \$4,531 million or 68.1 percent between FY 1981 and 1982.

The following table shows the type of RDT&E work the contractors were engaged in and the net value and percent distribution of all awards for each of these types in FY 1982. Engineering development accounted for the majority (54.9 percent) of RDT&E awards, followed by advanced development (17.6 percent).

TYPE	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E — TOTAL	<u>\$14,882,248</u>	<u>100.0</u>
Engineering Development	8,176,674	54.9
Advanced Development	2,617,881	17.6
Operational Systems	1,742,259	11.7
Exploratory Development	1,285,140	8.6
Research	684,904	4.6
Management and Support	375,390	2.5

The following table shows the net value and percent distribution of all RDT&E awards by type of program. Within the RDT&E contracts, the largest volume of awards was for the research, development, test, or evaluation of missiles & space systems and electronic & communications equipment. In FY 1982, a combined total of \$9,183 million or 61.7 percent of all RDT&E awards over \$10,000 was for work connected with these programs.

PROGRAM	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E — TOTAL	<u>\$14,882,248</u>	<u>100.0</u>
Missile Systems	5,648,443	38.0
Electronic & Communication Equipment	3,534,093	23.7
Aircraft	2,906,204	19.5
Services	1,514,145	10.2
Ships	327,912	2.2
Ammunition	278,256	1.9
Weapons	268,456	1.8
Tank-Automotive	160,204	1.1
All Other	244,535	1.6

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1982**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
66 B	A A I CORP	128 B	B D M SERVICES CO
390 B	A M A F INDUSTRIES INC	185 B	B E & C ENGINEERS INC
330 F	A S KONSBERG VAPENFABRIKK	365 B	B E I ELECTRONICS INC
473 B	ACTION MFG CO	378 B	B K DYNAMICS INC
167 B	ACUREX CORP	418 B	BALL BROS RESEARCH CORP
459 B	ADAPTIVE OPTICS ASSOCIATES INC	281 B	BALL CORP
471 B	ADAPTIVE SENSORS INC	322 B	BATTELLE COLUMBUS LABORATORIES
307 B	ADVANCED INFORMATION & DECN SYS	77 N	BATTELLE MEMORIAL INSTITUTE
341 B	ADVANCED MARINE ENTERPRISES INC	288 B	BECHTEL NATIONAL INC
327 B	ADVANCED RESEARCH & APPL CORP	499 B	BEDFORD RESEARCH ASSOCIATES INC
359 B	AERODYNE RESEARCH INC	218 B	BEECH AIRCRAFT CORP
24 B	AEROJET GENERAL CORP	252 B	BELL & HOWELL CO
291 B	AEROMET INC	65 B	BENDIX CORP
265 B	AERONAUTICAL RESEARCH ASSOCIATES	139 B	BENDIX FIELD ENGINEERING CORP
12 N	AEROSPACE CORP	171 B	BETAC CORP
466 N	ALABAMA UNIVERSITY OF	396 B	BLOCK ENGINEERING INC
467 B	ALPHATECH INC	2 B	BOEING CO
314 B	ALTUS CORP	97 B	BOEING VERTOL CO
300 B	AMERICAN AIRLINES INC	74 B	BOLT BERANEK & NEWMAN INC
312 B	AMERICAN ELECTRONIC LABS INC	88 B	BOOZ ALLEN & HAMILTON INC
103 B	AMERICAN HOME PRODUCTS CORP	491 B	BOOZ ALLEN APPLIED RESEARCH INC
51 B	AMEX SYSTEMS INC	231 N	BOSTON COLLEGE
500 B	ANACAPA SCIENCES INC	241 N	BOSTON UNIVERSITY
250 B	ANALYSIS & COMPUTER SYSTEMS INC	294 N	BROWN UNIVERSITY
189 B	ANALYSIS & TECHNOLOGY INC	158 B	BRUNSWICK CORP
116 B	ANALYTIC SCIENCES CORP	132 B	BUNKER RAMO CORP
119 N	ANALYTIC SERVICES INC	224 B	BURROUGHS CORP
131 B	ANALYTICAL SCIENCES CORP	217 B	C T E C
155 B	ANALYTICAL SYSTEMS ENGR CORP	474 B	CALCULON CORP
141 B	ANALYTICS INC	165 N	CALIFORNIA INSTITUTE OF TECHNOLOGY
458 B	ANAMET LABORATORIES INC	245 B	CALIFORNIA RESEARCH & TECHNOLOGY
456 B	APPLICATIONS RESEARCH CORP	344 N	CALIFORNIA STATE OF
468 B	APPLICON INC	52 N	CALIFORNIA UNIVERSITY OF
401 B	APPLIED RESEARCH INC	40 B	CALSPAN CORP
363 B	APPLIED SCIENCE ASSOCIATES INC	143 F	CANADIAN COMMERCIAL CORP
460 B	APPLIED TECHNOLOGY ASSOCIATES INC	452 B	CANYON RESEARCH GROUP INC
136 B	ARES INC	107 N	CARNEGIE MELLON UNIVERSITY
340 B	ARETE ASSOCIATES INC	315 N	CASE WESTERN RESERVE UNIVERSITY
270 B	ARGO SYSTEMS INC	140 B	CHAMBERLAIN MFG CORP
150 B	ARINC RESEARCH CORP	54 N	CHARLES STARK DRAPER LABS INC
482 N	ARIZONA STATE UNIVERSITY	382 B	CHRYSLER CORP
209 N	ARIZONA UNIVERSITY OF	178 B	CINCINNATI ELECTRONICS CORP
318 B	ARMAMENT SYSTEMS INC	384 N	CLEMSON UNIVERSITY
402 B	ASSURANCE TECHNOLOGY CORP	310 N	COLORADO STATE UNIVERSITY
346 B	ATLANTIC ANALYSIS CORP	283 N	COLORADO UNIVERSITY
147 B	ATLANTIC RESEARCH CORP	164 N	COLUMBIA UNIVERSITY
31 B	AUTOMATION INDUSTRIES INC	130 B	COMMAND CONTROL & COMMUNICATION
23 B	AVCO CORP	230 B	COMPTON RESEARCH INC
100 B	AVCO EVERETT RESEARCH LABORATORY	215 B	COMPUTER CORP OF AMERICA
50 B	B D M CORP	55 B	COMPUTER SCIENCES CORP

* B = BUSINESS FIRM
F = FOREIGN CONTRACTOR
N = NON PROFIT INSTITUTION

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1982
(Continued)**

RANK + LIST	CONTRACTOR	RANK + LIST	CONTRACTOR
457 B	COMSAT GENERAL CORP	188 B	ENSCO INC
389 N	CONNECTICUT UNIVERSITY OF	162 N	ENVIRONMENTAL RSCH INST OF MICH
433 B	CONSOLIDATED ANALYSIS CENTER INC	446 B	ESSEX CORP
313 B	CONTEL INFORMATION SYSTEMS INC	46 B	F M C CORP
385 B	CONTRAVES GOERZ CORP	309 B	FAIRCHILD CAMERA & INSTRUMENT CORP
101 B	CONTROL DATA CORP	79 B	FAIRCHILD INDUSTRIES INC
173 N	CORNELL UNIVERSITY	249 B	FEDERAL ELECTRIC CORP
326 B	CORVUS SYSTEMS INC	234 B	FIBER MATERIALS INC
127 B	CUBIC CORP	205 B	FIGGIE INTERNATIONAL INC
160 B	CUMMINS ENGINE CO INC	329 B	FLIGHT SYSTEMS INC
112 B	CURTISS WRIGHT CORP	232 N	FLORIDA STATE UNIVERSITY
244 B	D B A SYSTEMS INC	409 N	FLORIDA TECHNOLOGICAL UNIVERSITY
444 B	D W A COMPOSITES SPECIALTIES INC	280 N	FLORIDA UNIVERSITY
190 B	DAYRON CORP	41 B	FORD AEROSPACE & COMMUNICATIONS
90 N	DAYTON UNIVERSITY OF	301 B	FOSTER MILLER ASSOCIATES INC
496 B	DECISION SCIENCE APPLICATIONS INC	373 B	FREQUENCY & TIME SYSTEMS INC
303 B	DECISIONS & DESIGNS INC	487 B	FREQUENCY ELECTRONICS INC
349 B	DEFENSE SYSTEMS INC	431 B	G T E LABORATORIES INC
367 B	DELEX SYSTEMS INC	25 B	G T E PRODUCTS CORP
484 B	DELTA RESEARCH INC	419 B	GARD INC
247 N	DENVER UNIVERSITY OF	82 B	GARRETT CORP
304 B	DESIGNERS & PLANNERS INC	394 B	GENERAL ATOMIC CO
278 B	DEVELOPMENTAL SCIENCES INC	337 B	GENERAL ATRONICS CORP
392 B	DIGITAL COMMUNICATIONS CORP	175 B	GENERAL DEFENSE CORP
405 B	DIGITAL TECHNOLOGY INC	8 B	GENERAL DYNAMICS CORP
183 B	DIKEWOOD INDUSTRIES INC	7 B	GENERAL ELECTRIC CO
134 B	DONALDSON CO INC	62 B	GENERAL MOTORS CORP
393 N	DREXEL UNIVERSITY	87 B	GENERAL RESEARCH CORP
368 N	DUKE UNIVERSITY	343 B	GENTEX CORP
92 B	DYNALECTRON CORP	321 B	GEO CENTERS INC
161 B	DYNAMICS RESEARCH CORP	395 B	GEODYNAMICS CORP
196 B	DYNETICS INC	438 B	GEOMET TECHNOLOGIES INC
144 B	E G & G INC	238 N	GEORGE WASHINGTON UNIVERSITY
476 B	E G & G WASHINGTON ANAL SVC CEN	317 N	GEORGETOWN UNIVERSITY
495 B	E M SYSTEMS INC	195 N	GEORGIA INSTITUTE TECH
153 B	E S D CORP	63 N	GEORGIA TECH RESEARCH INSTITUTE
76 B	E S L INC	293 B	GIBBS & COX INC
88 B	E SYSTEMS INC	254 B	GILBERT ASSOCIATES
206 B	EAGLE TECHNOLOGY INC	47 B	GLOBAL ASSOCIATES
464 B	EASTMAN KODAK CO	351 B	GLOBAL MARINE DEVELOPMENT INC
58 B	EATON CORP	111 B	GOODYEAR AEROSPACE CORP
129 B	EDO CORP	125 B	GOULD INC
219 B	EFFECTS TECHNOLOGY INC	29 B	GRUMMAN AEROSPACE CORP
436 B	ELECTRO MAGNETIC APPLICATIONS INC	122 B	H R B SINGER INC
406 B	ELECTRONIC ASSOCIATES INC	256 B	HANSON R A CO INC
211 B	ELECTRONIC WARFARE ASSOCIATES	35 B	HARRIS CORP
115 B	ELECTROSPACE SYSTEMS INC	223 B	HARSCO CORP
59 B	EMERSON ELECTRIC CO	239 N	HARVARD UNIVERSITY
450 N	EMMANUEL COLLEGE	276 N	HAWAII UNIVERSITY OF
355 B	ENGINEERING RESEARCH ASSOCIATES	56 B	HAZELTINE CORP

* B = BUSINESS FIRM
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**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1982
(Continued)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
461 B	HELIONETICS INC	20 B	LOCKHEED CORP
198 B	HENNINGSTON DURHAM RICHARDSON	253 B	LOCKHEED ELECTRONICS CO INC
38 B	HERCULES INC	9 B	LOCKHEED MISSILES & SPACE CO INC
11 B	HONEYWELL INC	421 B	LOCKHEED SHIPBUILDING CONSTRUCTION
336 B	HONEYWELL INFORMATION SYSTEMS INC	70 B	LOGICON INC
266 B	HORIZONS TECHNOLOGY INC	153 B	LORAL CORP
462 B	HOUSEHOLD DATA SERVICES INC	424 N	LOUISIANA STATE UNIVERSITY OF
441 N	HOWARD UNIVERSITY	490 B	M A N TRUCK & BUS CORP
5 B	HUGHES AIRCRAFT CO	379 B	MAC AULAY BROWN INC
57 B	HUGHES HELICOPTERS INC	124 B	MAGNAVOX ADVANCED PROD & SYS CO
285 B	HUGHES RESEARCH LABORATORIES	60 B	MAGNAVOX GOVT & INDUSTRIAL ELEC CO
207 N	HUMAN RESOURCES RESEARCH ORGN	156 B	MANTECH INTERNATIONAL CORP
397 F	HUNTING ENGINEERING LTD	251 F	MARCONI AVIONICS INC
114 B	HYCOR INC	170 F	MARCONI CO LTD
400 B	HYDRONAUTICS INC	472 B	MARK RESOURCES INC
453 B	HYDROTRONICS INC	133 B	MARQUARDT CO
334 B	I L C DOVER	275 B	MARTIN & STERN INC
399 B	I M R SYSTEMS CORP	3 B	MARTIN MARIETTA CORP
216 B	I R T CORP	142 N	MARYLAND UNIVERSITY OF
49 B	I T T & WESTINGHOUSE JV	18 N	MASSACHUSETTS INSTITUTE TECHNOLOGY
94 B	I T T GILFILLAN INC	210 N	MASSACHUSETTS UNIVERSITY OF
43 N	ILLINOIS INSTITUTE TECHNOLOGY	440 B	MATERIAL CONCEPTS INC
118 N	ILLINOIS UNIVERSITY OF	186 B	MATHEMATICAL SCIENCE NORTHWEST INC
362 B	INCO INC	102 B	MAXWELL LABORATORIES INC
469 B	INFORMATION SPECTRUM INC	4 B	MCDONNELL DOUGLAS CORP
81 N	INSTITUTE FOR DEFENSE ANALYSIS	428 B	MCGRAW HILL CONTINUING EDUCATION
166 B	INTERMETRICS INC	388 B	MCLEAN RESEARCH CENTER INC
15 B	INTERNATIONAL BUSINESS MACHINE CO	225 B	MCMULLEN JOHN J ASSOCIATES INC
284 B	INTERNATIONAL LASER SYSTEMS INC	445 B	MECHANICAL EQUIPMENT CO INC
28 B	INTERNATIONAL TELEPHONE & TEL CORP	290 B	MECHANICAL TECHNOLOGY INC
151 B	INTERSTATE ELECTRONICS CORP	363 B	MEGAPULSE INC
320 N	IOWA UNIVERSITY OF	417 B	MERRIT J L CNSLT & SPEC ENGR SVS
227 B	IRVINE SENSORS CORP	159 B	METRIC SYSTEMS CORP
106 B	ITEK CORP	236 N	MIAMI UNIVERSITY OF
99 B	JAYCOR	331 N	MICHIGAN STATE UNIVERSITY
13 N	JOHNS HOPKINS UNIVERSITY	391 N	MICHIGAN TECHNOLOGICAL UNIVERSITY
89 B	KAMAN SCIENCES CORP	184 N	MICHIGAN UNIVERSITY OF
380 N	KANSAS UNIVERSITY OF	447 B	MINE SAFETY APPLIANCES CO
67 B	KENTRON INTERNATIONAL INC	258 N	MINNESOTA UNIVERSITY OF
439 B	KERNCO INC	98 B	MISSION RESEARCH CORP
200 B	KETRON INC	448 N	MISSOURI UNIVERSITY OF
435 B	KTECH CORP	19 N	MITRE CORP
416 N	LA JOLLA INSTITUTE	489 B	MONSANTO RESEARCH CORP
463 B	LEAR SIEGLER INC	44 B	MOTOROLA INC
286 N	LEHIGH UNIVERSITY	117 N	NATIONAL ACADEMY OF SCIENCES
454 B	LIFE SUPPORT SYSTEMS INC	425 N	NATIONAL SCIENCE FOUNDATION
257 B	LINKABIT CORP	481 B	NEVADA ENGINEERING & TECHNOLOGY
137 B	LITTLE ARTHUR D INC	374 N	NEW MEXICO INSTITUTE MINING & TECH
387 B	LITTON INDUSTRIES INC	96 N	NEW MEXICO STATE UNIVERSITY
36 B	LITTON SYSTEMS INC	152 N	NEW MEXICO UNIVERSITY OF

* B = BUSINESS FIRM
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**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1982
(Continued)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
415 B	NEW TECHNOLOGY INC	204 B	QUEST RESEARCH CORP
328 N	NEW YORK POLYTECHNIC INSTITUTE	61 B	R & D ASSOCIATES
271 N	NEW YORK STATE UNIV RESEARCH FOUND	26 B	R C A CORP
299 N	NEW YORK UNIVERSITY	493 F	R E O S C
146 B	NEWPORT NEWS SHIPBLD & DRY DOCK CO	475 B	RADIAN CORP
180 B	NICHOLS RESEARCH CORP	187 B	RAIL CO INC
403 B	NIELSEN ENGINEERING & RESEARCH CO	72 N	RAND CORP
105 B	NORDEN SYSTEMS INC	292 B	RAYCOMM INDUSTRIES INC
319 N	NORTH CAROLINA STATE UNIVERSITY	16 B	RAYTHEON CO
325 N	NORTH CAROLINA UNIVERSITY OF	413 B	RAYTHEON SERVICE CO
296 N	NORTHEASTERN UNIVERSITY	243 B	REL INC
14 B	NORTHROP CORP	272 N	RENSSELAER POLYTECHNIC INSTITUTE
297 N	NORTHWESTERN UNIVERSITY	324 N	RESEARCH TRIANGLE INSTITUTE
267 B	NUCLEAR METALS INC	287 N	RHODE ISLAND UNIVERSITY OF
203 B	O A O CORP	191 N	RIVERSIDE RESEARCH INSTITUTE
172 B	O R I INC	148 N	ROCHESTER UNIVERSITY OF
372 B	OCEAN DATA SYSTEMS INC	1 B	ROCKWELL INTERNATIONAL CORP
398 B	OCEAN TECHNOLOGY INC	411 B	ROHM & HAAS CO
177 N	OHIO STATE UNIV RESERCH FOUNDATION	342 B	ROME RESEARCH CORP
237 N	OKLAHOMA STATE UNIVERSITY OF	422 B	ROSENBAUM HAROLD ASSOCIATES INC
360 B	OPTI METRICS INC	222 B	ROSENBLATT M SON INC
208 N	OREGON STATE UNIVERSITY	429 N	RUTGERS UNIVERSITY
333 B	ORINCON CORP	48 N	S R I INTERNATIONAL
370 B	PACCAR INC	410 B	S T D RESEARCH CORP
316 B	PACER SYSTEMS INC	262 B	SACHS FREEMAN ASSOCIATES INC
202 B	PACIFIC SIERRA RESEARCH CORP	268 N	SALK INSTITUTE THE
443 B	PACIFICA TECHNOLOGY	71 B	SANDERS ASSOCIATES INC
486 N	PALISADES GEOPHYSICAL INSTITUTE	246 B	SANTA BARBARA RESEARCH CENTER
442 N	PALISADES INSTITUTE	357 B	SANTA FE CORP
485 B	PATEL ENTERPRISES INC	181 B	SCHAFER W J ASSOCIATES INC
154 B	PATTERN ANALYSIS & RECOGNITION CO	497 B	SCIENCE & TECHNOLOGY INC
93 N	PENNSYLVANIA STATE UNIVERSITY	39 B	SCIENCE APPLICATIONS INC
194 N	PENNSYLVANIA UNIVERSITY OF	451 B	SCIENTIFIC RESEARCH ASSOCIATES
176 B	PERCEPTRONICS INC	470 B	SCIENTIFIC SYSTEMS INC
109 B	PERKIN ELMER CORP	479 B	SCIENTIFIC TECH ASSOCIATES INC
350 B	PHYSICAL DYNAMICS INC	494 B	SCIPAR INC
375 B	PHYSICAL SCIENCES CORP	434 B	SCOPE ELECTRONICS INC
295 B	PHYSICS APPLICATIONS INC	214 B	SCOTT AVIATION SIERRA PRODUCTS INC
91 B	PHYSICS INTERNATIONAL CO	221 B	SEMCOR INC
242 B	PIASECKI AIRCRAFT CORP	432 B	SIERRA GEOPHYSICS INC
157 B	PIPER AIRCRAFT CORP	377 B	SIERRA RESEARCH CORP
308 N	PITTSBURGH UNIVERSITY OF	480 B	SIGNAL SCIENCE INC
85 B	PLANNING RESEARCH CORP	338 B	SIGNATRON INC
228 B	PLANNING SYSTEMS INC	37 B	SINGER CO
477 B	POLAR RESEARCH LABORATORY INC	311 B	SIPPICAN CORP
423 B	POLARIS INC	121 B	SOFTTECH INC
212 B	PRESEARCH INC	138 B	SOLAR TURBINES INTERNATIONAL
229 N	PRINCETON UNIVERSITY	83 B	SONICRAFT INC
361 B	PROTOTYPE DEVELOPMENT INC	235 N	SOUTHEASTERN CTR ELECT ENGR EDUC
260 N	PURDUE RESEARCH FOUNDATION	110 N	SOUTHERN CALIFORNIA UNIVERSITY OF

* B = BUSINESS FIRM
F = FOREIGN CONTRACTOR
N = NON PROFIT INSTITUTION

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors
for Research, Development, Test, and Evaluation Work: FY 1982
(Concluded)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
201 N	SOUTHERN RESEARCH INSTITUTE	34 B	TEXTRON INC
120 N	SOUTHWEST RESEARCH INSTITUTE	27 B	THIokol CORP
174 B	SPACE DATA CORP	381 B	TITAN SYSTEMS INC
263 B	SPACE VECTOR CORP	69 B	TRACOR INC
407 B	SPARTA INC	163 B	TRIAD MICROSYSTEMS INC
197 B	SPARTON CORP	168 B	U T L CORP
352 B	SPECTRA RESEARCH SYSTEMS INC	282 B	ULTRASYSTEMS INC
465 B	SPECTRON DEVELOPMENT LABORATORIES	366 F	UNDERWATER & MARINE EQUIPMENT LTD
21 B	SPERRY CORP	145 B	UNITED SPACE BOOSTERS INC
339 B	STANFORD TELECOMMUNICATIONS INC	240 N	UNITED STATES COMMERCE DEPT
73 N	STANFORD UNIVERSITY	78 N	UNITED STATES NATL AERO SPACE AGY
323 B	STEARNS ROGER INC	17 B	UNITED TECHNOLOGIES CORP
273 B	STENCEL AERO ENGINEERING CORP	248 B	UNIVERSAL ENERGY SYSTEMS INC
358 N	STEVENS INSTITUTE OF TECHNOLOGY	113 N	UTAH STATE UNIVERSITY
32 B	SUMMA CORP	264 N	UTAH UNIVERSITY OF
332 B	SUMMIT RESEARCH CORP	261 B	V S E CORP
348 B	SUPPORT SYSTEMS ASSOCIATES INC	108 B	VARIAN ASSOCIATES
277 B	SURVIVAL TECHNOLOGY CORP	488 B	VARO INC
45 B	SVERDRUP TECHNOLOGY INC	420 B	VECTOR RESEARCH INC
259 B	SYNECTICS CORP	274 B	VEDA INC
233 N	SYRACUSE RESEARCH CORP	298 B	VERAC INC
437 N	SYRACUSE UNIVERSITY	213 N	VIRGINIA POLYTECHNIC INSTITUTE
426 B	SYSCON CORP	364 N	VIRGINIA UNIVERSITY OF
80 B	SYSTEM DEVELOPMENT CORP	354 B	VISIDYNE INC
123 B	SYSTEM PLANNING CORP	22 B	VOUGHT CORP
149 B	SYSTEMS & APPLIED SCIENCES CORP	492 B	VREDENBURG R M & CO
220 B	SYSTEMS CONSULTANTS INC	430 B	WAGNER DANIEL H ASSOCIATES INC
169 B	SYSTEMS CONTROL TECHNOLOGY INC	199 N	WASHINGTON BOOKER T FOUNDATION
412 B	SYSTEMS ENGINEERING LABORATORIES	371 B	WASHINGTON PATROL SERVICE INC
289 B	SYSTEMS EXPLORATION INC	449 N	WASHINGTON STATE UNIVERSITY
353 B	SYSTEMS PLANNING & ANALYSIS INC	483 N	WASHINGTON UNIVERSITY
84 B	SYSTEMS RESEARCH LABORATORIES INC	104 N	WASHINGTON UNIVERSITY OF
126 B	SYSTEMS SCIENCE & SOFTWARE	269 B	WEIDLINGER ASSOCIATES CONSULT ENGR
64 B	T A D COMMUNICATIONS CO	369 N	WENTWORTH INSTITUTE
6 B	T R W INC	498 B	WESTAT INCV
386 B	TECHNITROL INC	53 B	WESTERN ELECTRIC CO INC
376 B	TECHNOLOGY DEVELOPMENT CORP CALIF	455 B	WESTERN GEAR CORP
335 B	TECHNOLOGY INC	414 B	WESTERN RESEARCH CORP
135 B	TECHNOLOGY SERVICE CORP	10 B	WESTINGHOUSE ELECTRIC CORP
75 B	TELEDYNE BROWN ENGINEERING	404 B	WESTON ROY F
356 B	TELEDYNE GEOTECH	427 B	WHEELERS INDUSTRIES INC
226 B	TELEDYNE INC	302 B	WHITTAKER CORP
42 B	TELEDYNE INDUSTRIES INC	30 B	WILLIAMS INTERNATIONAL CORP
478 B	TELEPHONICS CORP	179 N	WISCONSIN UNIVERSITY OF
345 N	TENNESSEE UNIVERSITY OF	95 N	WOODS HOLE OCEANOGRAPHIC INST
305 B	TETRA TECH INC	306 B	XEROX CORP
279 N	TEXAS A & M RESEARCH FOUNDATION	192 B	XEROX ELECTRO OPTICAL SYSTEMS INC
33 B	TEXAS INSTRUMENTS INC	255 B	XETRON CORP
347 N	TEXAS TECHNOLOGICAL COLLEGE	408 B	XONTECH INC
86 N	TEXAS UNIVERSITY OF	182 N	YALE UNIVERSITY

* B = BUSINESS FIRM
F = FOREIGN CONTRACTOR
N = NON PROFIT INSTITUTION

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
1	ROCKWELL INTERNATIONAL CORP	1,962,406 *		T R W INC	
	ANAHEIM CALIFORNIA	269,326		SAN JUAN CAPIS CALIFORNIA	4,841
	CANOGA PARK CALIFORNIA	164,065		ALBUQUERQUE NEW MEXICO	100
	DOWNEY CALIFORNIA	42,406		CLEVELAND OHIO	429
	EL SEGUNDO CALIFORNIA	587		DAYTON OHIO	319
	LOS ANGELES CALIFORNIA	1,291,512		WRIGHT PATTERS OHIO	145
	NEWPORT BEACH CALIFORNIA	3,513		PHILADELPHIA PA	502
	SEAL BEACH CALIFORNIA	99,585		BAILEYS CROSSR VIRGINIA	1,613
	THOUSAND OAKS CALIFORNIA	7,424		FALLS CHURCH VIRGINIA	24,849
	VANDENBERG AFB CALIFORNIA	10,553		LANGLEY AFB VIRGINIA	75
	DULUTH GEORGIA	2,500		MCLEAN VIRGINIA	44,955
	CEDAR RAPIDS IOWA	40,734		NORFOLK VIRGINIA	84
	KIRTLAND AFB NEW MEXICO	7,865		BELLEVUE WASHINGTON	50
	BELLEFONTAINE OHIO	99			
	COLUMBUS OHIO	17,112	7	GENERAL ELECTRIC CO	480,745
	WRIGHT PATTERS OHIO	126		HUNTSVILLE ALABAMA	859
	TULSA OKLAHOMA	20		WILLIAMS AFB ARIZONA	927
	DALLAS TEXAS	841		SANTA BARBARA CALIFORNIA	2,835
	RICHARDSON TEXAS	4,308		SUNNYVALE CALIFORNIA	2,910
2	BOEING CO	1,112,925 *		ARCHER FLORIDA	239
	HUNTSVILLE ALABAMA	4,074		DAYTONA BEACH FLORIDA	305
	VANDENBERG AFB CALIFORNIA	91		LANHAM MARYLAND	10,618
	WICHITA KANSAS	144,537		BEDFORD MASS	171
	KIRTLAND AFB NEW MEXICO	9,895		LYNN MASS	1,064
	HOUSTON TEXAS	270		PITTSFIELD MASS	62,546
	KENT WASHINGTON	188,687		WEST LYNN MASS	4,970
	SEATTLE WASHINGTON	781,133		WILMINGTON MASS	11,641
	TUKWILA WASHINGTON	4,238		BINGHAMTON MASS	1,757
3	MARTIN MARIETTA CORP	1,086,427 *		JOHNSON CITY NEW YORK	1,620
	VANDENBERG AFB CALIFORNIA	141,819		NORTH SYRACUSE NEW YORK	1,433
	DENVER COLORADO	501,062		SCHENECTADY NEW YORK	99
	JEFFERSON COLORADO	1,819		SYRACUSE NEW YORK	65,255
	WATERTON COLORADO	9,570		UTICA NEW YORK	52,127
	ORLANDO FLORIDA	416,968		CINCINNATI OHIO	22,349
	BALTIMORE MARYLAND	4,283		EVENDALE OHIO	116,910
	WAKEFIELD MASS	11,306		ERIE PA	20,009
4	MCDONNELL DOUGLAS CORP	796,098 *		KING OF PRUSS PA	60
	CHINA LAKE CALIFORNIA	25		PHILADELPHIA PA	15,297
	HUNTINGTON BEA CALIFORNIA	210,158		VALLEY FORGE PA	61,687
	LONG BEACH CALIFORNIA	35,606		BURLINGTON VERMONT	1,432
	LOWRY AFB COLORADO	1,058		ARLINGTON VIRGINIA	21,526
	TITUSVILLE FLORIDA	4,414			99
	BERKELEY MISSOURI	441	8	GENERAL DYNAMICS CORP	441,269
	ST CHARLES MISSOURI	782		YUMA ARIZONA	97
	ST LOUIS MISSOURI	543,589		POMONA CALIFORNIA	91,722
	FALLS CHURCH VIRGINIA	25		SAN DIEGO CALIFORNIA	127,513
5	HUGHES AIRCRAFT CO	688,454 *		VANDENBERG AFB CALIFORNIA	36,346
	FRANCE	468		GROTON CONN	49,356
	TUCSON ARIZONA	21,264		QUINCY MASS	237
	CANOGA PARK CALIFORNIA	197,485		CENTER LINE MICHIGAN	16,246
	CARLSBAD CALIFORNIA	630		STERLING HEIGHT MICHIGAN	32,663
	CULVER CITY CALIFORNIA	84,770		WARREN MICHIGAN	18,247
	EL SEGUNDO CALIFORNIA	118,022		NELLIS AFB NEVADA	1,058
	FULLERTON CALIFORNIA	211,897		HOLLOMAN AFB NEW MEXICO	102
	IRVINE CALIFORNIA	718		KIRTLAND AFB NEW MEXICO	2,723
	LONG BEACH CALIFORNIA	630		LIMA OHIO	427
	LOS ANGELES CALIFORNIA	14,392		MACKSBURG OHIO	135
	MALIBU CALIFORNIA	9,045		FORT WORTH TEXAS	64,397
	NEWPORT BEACH CALIFORNIA	85	9	LOCKHEED MISSILES & SPACE CO INC	370,237
	TORRANCE CALIFORNIA	5,505		HUNTSVILLE ALABAMA	2,085
	GRIFFISS AFB NEW YORK	43		PALO ALTO CALIFORNIA	36,602
	DALLAS TEXAS	3,500		SUNNYVALE CALIFORNIA	331,550
6	T R W INC	481,813 *	10	WESTINGHOUSE ELECTRIC CORP	274,976 *
	HUNTSVILLE ALABAMA	3,832		SUNNYVALE CALIFORNIA	50,664
	EL SEGUNDO CALIFORNIA	97		ANNAPOLIS MARYLAND	1,894
	LAWDALE CALIFORNIA	125		BALTIMORE MARYLAND	141,489
	LOS ANGELES CALIFORNIA	200		COCKEYSVILLE MARYLAND	130
	NEWMARKET PARK CALIFORNIA	1,040		HUNT VALLEY MARYLAND	608
	NORTON AFB CALIFORNIA	107,288		LIMA OHIO	30
	REDONDO BEACH CALIFORNIA	281,369		ORRVILLE OHIO	21
				WRIGHT PATTERS OHIO	411
				LARGE PA	118

* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

S = SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
	WESTINGHOUSE ELECTRIC CORP			UNITED TECHNOLOGIES CORP	
	PHILADELPHIA PA	12		EAST HARTFORD CONN	8,161
	PITTSBURGH PA	79,506		HARTFORD CONN	301
	WARMINSTER PA	93		NORFOLK CONN	3,480
11	HONEYWELL INC	238,866 *		NORWALK CONN	28,293
	FRANCE	718		SOUTH WINDSOR CONN	1,841
	SAN DIEGO CALIFORNIA	113		STRATFORD CONN	52,413
	WEST COVINA CALIFORNIA	2,171		WINDSOR LOCKS CONN	2,122
	CLEARWATER FLORIDA	49,746		WEST PALM BEAC FLORIDA	114,700
	ST PETERSBURG FLORIDA	13,643		KIRTLAND AFB NEW MEXICO	92
	TAMPA FLORIDA	246		MELVILLE NEW YORK	639
	ANNAPOLIS MARYLAND	2,885		FORT WASHINGTO PA	1,452
	LEXINGTON MASS	7,872	20	LOCKHEED CORP	162,747 *
	BLOOMINGTON MINNESOTA	1,922		BURBANK CALIFORNIA	66,118
	HOPKINS MINNESOTA	81,767		ONTARIO CALIFORNIA	1,305
	MINNEAPOLIS MINNESOTA	21,139		PALO ALTO CALIFORNIA	628
	NEW BRIGHTON MINNESOTA	39,929		SUNLAND CALIFORNIA	5,127
	PLYMOUTH MINNESOTA	366		SUNNYVALE CALIFORNIA	70,963
	ROSEVILLE MINNESOTA	256		MARIETTA GEORGIA	11,150
	ST LOUIS PARK MINNESOTA	6,114		PLAINFIELD NEW JERSEY	7,039
	EATONTOWN NEW JERSEY	648		DUGWAY UTAH	419
	NEW SHREWSBURY NEW JERSEY	466			
	HORSHAM PA	294	21	SPERRY CORP	155,440 *
	SEATTLE WASHINGTON	6,571		HUNTSVILLE ALABAMA	6,265
14	NORTHROP CORP	231,181 *		PHOENIX ARIZONA	10,306
	HUNTSVILLE ALABAMA	764		SAN DIEGO CALIFORNIA	2,382
	ANAHEIM CALIFORNIA	859		VALLEJO CALIFORNIA	641
	HAWTHORNE CALIFORNIA	176,301		CLEARWATER FLORIDA	1,372
	PALOS VERDES E CALIFORNIA	4,222		SUDBURY MASS	654
	DES PLAINES ILLINOIS	150		ST PAUL MINNESOTA	20,433
	ROLLING MEADOW ILLINOIS	7,853		ALBUQUERQUE NEW MEXICO	1,164
	NORWOOD MASS	41,032		GREAT NECK NEW YORK	94,664
15	INTERNATIONAL BUSINESS MACHINE CO	227,841 *		NEW YORK NEW YORK	705
	SAN JOSE CALIFORNIA	522		SYOSSET NEW YORK	17
	WESTLAKE VILLA CALIFORNIA	8,742		SOUTHAMPTON PA	963
	GAITHERSBURG MARYLAND	117,247		WARMINSTER PA	1,090
	EATONTOWN NEW JERSEY	192		SALT LAKE CITY UTAH	133
	OWEGO NEW YORK	45,804		CHARLOTTESVILL VIRGINIA	3,339
	YORKTOWN HGTS NEW YORK	5,457		DAHLGREN VIRGINIA	440
	HOUSTON TEXAS	1,326		RESTON VIRGINIA	10,872
	ARLINGTON VIRGINIA	5,996	22	VOUGHT CORP	152,925
	MANASSAS VIRGINIA	37,785		CHINA LAKE CALIFORNIA	13
	MCLEAN VIRGINIA	2,492		DALLAS TEXAS	152,912
	ROSSLYN VIRGINIA	2,278	23	AVCO CORP	151,142
16	RAYTHEON CO	224,991 *		SAN ANDREAS CALIFORNIA	300
	GERMANY	1,475		STRATFORD CONN	3,876
	HUNTSVILLE ALABAMA	25		EVERETT MASS	1,266
	GOLETA CALIFORNIA	23,828		LOWELL MASS	693
	OXNARD CALIFORNIA	50		WILMINGTON MASS	144,807
	ANDOVER MASS	29,410	24	AEROJET GENERAL CORP	149,420 *
	BEDFORD MASS	70,950		AZUSA CALIFORNIA	36,078
	BOSTON MASS	20		DOWNNEY CALIFORNIA	6,269
	LEXINGTON MASS	353		FULLERTON CALIFORNIA	60
	LOWELL MASS	789		NIMBUS CALIFORNIA	815
	NORTHBOROUGH MASS	48		SACRAMENTO CALIFORNIA	106,198
	SUDBURY MASS	26,227	25	G T E PRODUCTS CORP	137,722 *
	WALTHAM MASS	3,472		T T PAC IS	10,436
	WAYLAND MASS	29,839		TEMPE ARIZONA	47
	WEST ANDOVER MASS	106		LOS ANGELES CALIFORNIA	187-
	WAYNE NEW JERSEY	575		MOUNTAIN VIEW CALIFORNIA	13,983
	EAST PROVIDENC RI	16		DANVERS MASS	789
	PORTSMOUTH RI	36,870		NEEDHAM MASS	2,611
	ARLINGTON VIRGINIA	33		NEEDHAM HEIGHT MASS	81,427
	MCLEAN VIRGINIA	905		WALTHAM MASS	189
17	UNITED TECHNOLOGIES CORP	219,314 *		WESTBOROUGH MASS	28,337
	COYOTE CALIFORNIA	300		WHITE SANDS MS NEW MEXICO	90
	LONG BEACH CALIFORNIA	77			
	SAN JOSE CALIFORNIA	140			
	SUNNYVALE CALIFORNIA	6,703			
	BRIDGEPORT CONN	600			

* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S = SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
26	R C A CORP	138,456 *	35	HARRIS CORP	79,139 *
	BURLINGTON T T PAC IS	14,955		FORT WALTON BE FLORIDA	227
	CAMDEN MASS	27,904		MELBOURNE FLORIDA	27,681
	CHERRY HILL NEW JERSEY	17,220		PALM BAY FLORIDA	50,429
	HIGHTSTOWN NEW JERSEY	141		ROCHESTER NEW YORK	711
	MOORESTOWN NEW JERSEY	8,425		SYOSSET NEW YORK	91
	PRINCETON NEW JERSEY	64,576	36	LITTON SYSTEMS INC	70,978 *
	SOMERVILLE NEW JERSEY	2,695		SAN CARLOS CALIFORNIA	440
	WHITE SANDS MS NEW MEXICO	195		SUNNYVALE CALIFORNIA	1,090
	WRIGHT PATTERS OHIO	157		VAN NUYS CALIFORNIA	43,774
	LANCASTER PA	105		WOODLAND HILLS CALIFORNIA	14,021
	SPRINGFIELD VIRGINIA	76		DAVENPORT IOWA	42
		7		COLLEGE PARK MARYLAND	1,906
27	THICKOL CORP	129,906 *		PASCAGOULA MISS	5,528
	HUNTSVILLE ALABAMA	1,522		MELVILLE NEW YORK	3,671
	ELKTON MARYLAND	1,250		SALT LAKE CITY UTAH	408
	BRIGHAM CITY UTAH	127,134		BLACKSBURG VIRGINIA	98
28	INTERNATIONAL TELEPHONE & TEL CORP	125,253 *	37	SINGER CO	70,833 *
	PHOENIX ARIZONA	254		LUKE AFB ARIZONA	1,080
	VAN NUYS CALIFORNIA	860		WILLIAMS AFB ARIZONA	1,283
	FORT WAYNE INDIANA	8,470		GLENDALE CALIFORNIA	24,827
	CLIFTON NEW JERSEY	198		SUNNYVALE CALIFORNIA	332
	NUTLEY NEW JERSEY	115,774		SILVER SPRING MARYLAND	2,185
	PARAMUS NEW JERSEY	20		LITTLE FALLS NEW JERSEY	33,592
	JOHNSON CITY TENNESSEE	16		WAYNE NEW JERSEY	1,994
	ROANOKE VIRGINIA	1,661		BINGHAMTON NEW YORK	986
				MOUNT VERNON NEW YORK	4,032
				STATE COLLEGE PA	522
29	GRUMMAN AEROSPACE CORP	107,866 *	38	MERCULES INC	63,448 *
	WHITE SANDS MS NEW MEXICO	1,800		WILMINGTON DELAWARE	130
	BETHPAGE NEW YORK	105,678		EGLIN AFB FLORIDA	346
	CALVERTON NEW YORK	388		PORT EWEN NEW YORK	12
30	WILLIAMS INTERNATIONAL CORP	102,436 *		MCGREGOR TEXAS	1,578
	WALLED LAKE MICHIGAN	102,436		BACCHUS UTAH	279
31	AUTOMATION INDUSTRIES INC	98,762 *		MAGNA UTAH	58,967
	OXNARD CALIFORNIA	1,255		ROCKET CENTER WVA	2,136
	SAN DIEGO CALIFORNIA	339	39	SCIENCE APPLICATIONS INC	53,204 *
	GROTON CONN	347		HUNTSVILLE ALABAMA	3,891
	EGLIN AFB FLORIDA	23,353		TUCSON ARIZONA	15
	SILVER SPRING MARYLAND	73,468		YUMA ARIZONA	76
32	SUMMA CORP	94,226 *		EL SEGUNDO CALIFORNIA	181
	CULVER CITY CALIFORNIA	94,226		IRVINE CALIFORNIA	398
33	TEXAS INSTRUMENTS INC	93,456 *		LA JOLLA CALIFORNIA	21,993
	NEWPORT BEACH CALIFORNIA	61		NORTON AFB CALIFORNIA	2,562
	POINT MUGU CALIFORNIA	500		PALO ALTO CALIFORNIA	160
	RIDGECREST CALIFORNIA	118		PLEASANTON CALIFORNIA	164
	AUSTIN TEXAS	80		SAN DIEGO CALIFORNIA	4,257
	DALLAS TEXAS	28,762		SANTA ANA CALIFORNIA	100
	HOUSTON TEXAS	10		COLORADO SPRIN COLORADO	516
	LEWISVILLE TEXAS	25,385		DENVER COLORADO	93
	SHERMAN TEXAS	38,540		FORT WALTON BE FLORIDA	1,357
				ORLANDO FLORIDA	188
34	TEXTRON INC	83,909 *		STUART FLORIDA	235
	TUCSON ARIZONA	3,949		ATLANTA GEORGIA	196
	YUMA ARIZONA	1,874		MARIETTA GEORGIA	428
	BELMONT CALIFORNIA	2,075		STOW MASS	55
	VALENCIA CALIFORNIA	169		LAS VEGAS NEVADA	620
	EGLIN AFB FLORIDA	1,169		MERCURY NEVADA	60
	PANAMA CITY FLORIDA	7,701		HANOVER NH	91
	NEW ORLEANS LOUISIANA	1,222		PRINCETON NEW JERSEY	33
	BUFFALO NEW YORK	6,084		ALBUQUERQUE NEW MEXICO	632
	WHEATFLD NEW YORK	2,087		KIRTLAND AFB NEW MEXICO	200
	FORT WORTH TEXAS	58,094		DAYTON OHIO	496
	HURST TEXAS	1,485		WRIGHT PATTERS OHIO	1,520
				WAYNE PA	132
				MEMPHIS TENNESSEE	233
				OAK RIDGE TENNESSEE	131
				FORT HOOD TEXAS	914
				ARLINGTON VIRGINIA	1,691
				MCLEAN VIRGINIA	9,447
				VIENNA VIRGINIA	119

- * MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S * SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
40	CALSPAN CORP	52,612 *		COMPUTER SCIENCES CORP	
	WHITE SANDS MS NEW MEXICO	113		ALBUQUERQUE NEW MEXICO	2,505
	BUFFALO NEW YORK	14,449		KIRTLAND AFB NEW MEXICO	1,294
	DAYTON OHIO	426		HUNTINGDON PA	233
	WRIGHT PATTERS OHIO	996		DAHLOREN VIRGINIA	40
	ARNOLD ENGN D TENNESSEE	36,624		FALLS CHURCH VIRGINIA	13,178
41	FORD AEROSPACE & COMMUNICATIONS	52,275 *	56	HAZELTINE CORP	33,029 *
	NEWPORT BEACH CALIFORNIA	6,155		BRAINTREE MASS	2,989
	PALO ALTO CALIFORNIA	35,297		GREENLAWN NEW YORK	30,040
	SUNNYVALE CALIFORNIA	4,280	57	HUGHES HELICOPTERS INC	32,991 *
	COLORADO SPRIN COLORADO	4,543		CULVER CITY CALIFORNIA	32,991
42	TELEDYNE INDUSTRIES INC	47,296 *	58	EATON CORP	30,854 *
	NORTHBRIDGE CALIFORNIA	199		SOUTHFIELD MICHIGAN	219
	SAN DIEGO CALIFORNIA	34,601		DEER PARK NEW YORK	30,529
	PATRICK AFB FLORIDA	84		MELVILLE NEW YORK	106
	MUSKEGON MICHIGAN	1,094	59	EMERSON ELECTRIC CO	29,631 *
	WHITE SANDS MS NEW MEXICO	90		ST LOUIS MISSOURI	29,631
	TOLEDO OHIO	9,917	60	MAGNAVQX GOVT & INDUSTRIAL ELEC CO	28,141 *
	GARLAND TEXAS	421		TORRANCE CALIFORNIA	22,255
	ALEXANDRIA VIRGINIA	892		FORT WAYNE INDIANA	4,544
44	MOTOROLA INC	43,187 *		MAHWAH NEW JERSEY	1,342
	PHOENIX ARIZONA	70	61	R & D ASSOCIATES	27,937 *
	SCOTTSDALE ARIZONA	36,992		LOS ANGELES CALIFORNIA	425
	TEMPE ARIZONA	5,731		MARINA DEL REY CALIFORNIA	16,488
	HYATTSVILLE MARYLAND	97		ALBUQUERQUE NEW MEXICO	7,500
	CARLISLE PA	297		KIRTLAND AFB NEW MEXICO	2,759
45	SVERDRUP TECHNOLOGY INC	42,104 *		ARLINGTON VIRGINIA	765
	ARNOLD ENGN D TENNESSEE	41,784	62	GENERAL MOTORS CORP	27,510
	TULLAHOMA TENNESSEE	320		GOLETA CALIFORNIA	6,858
46	F M C CORP	42,011 *		INDIANAPOLIS INDIANA	20,298
	SAN JOSE CALIFORNIA	42,011		DETROIT MICHIGAN	38
47	GLOBAL ASSOCIATES	41,286 *		OAK CREEK WISCONSIN	316
	T T PAC IS	41,286	64	T A D COMMUNICATIONS CO	26,092 *
49	I T T & WESTINGHOUSE JV	38,065 *		NUTLEY NEW JERSEY	26,092
	NUTLEY NEW JERSEY	38,065	65	BENDIX CORP	25,646 *
50	B D M CORP	35,919 *		NORTH HOLLYWOOD CALIFORNIA	9,014
	HUNTSVILLE ALABAMA	1,493		SYLMAR CALIFORNIA	1,645
	WASHINGTON DC	17		MISHAWAKA INDIANA	639
	NELLIS AFB NEVADA	1,932		DAVENPORT IOWA	344
	ALBUQUERQUE NEW MEXICO	4,743		BALTIMORE MARYLAND	9,295
	KIRTLAND AFB NEW MEXICO	4,539		TOWSON MARYLAND	1,529
	WHITE SANDS MS NEW MEXICO	1,153		EATONTOWN NEW JERSEY	297
	WRIGHT PATTERS OHIO	449		TETERBORO NEW JERSEY	2,419
	MCLEAN VIRGINIA	19,276		MCLEAN VIRGINIA	466
	NORFOLK VIRGINIA	93	66	A A I CORP	25,612 *
	WARRENTON VIRGINIA	2,224		BALTIMORE MARYLAND	2,715
61	AMEX SYSTEMS INC	35,785 *		COCKEYSVILLE MARYLAND	22,897
	FORT IRWIN CALIFORNIA	777	67	KENTRON INTERNATIONAL INC	25,226 *
	HAWTHORNE CALIFORNIA	600		T T PAC IS	23,713
	SAN DIEGO CALIFORNIA	34,408		YUMA ARIZONA	620
53	WESTERN ELECTRIC CO INC	34,996 *		CHINA LAKE CALIFORNIA	377
	VANDENBERG AFB CALIFORNIA	4,397		DALLAS TEXAS	516
	WHIPPANY NEW JERSEY	17,255	68	E SYSTEMS INC	24,949 *
	BURLINGTON NCAR	39-		ST PETERSBURG FLORIDA	4,408
	GREENSBORO NCAR	13,385		DALLAS TEXAS	840
55	COMPUTER SCIENCES CORP	33,184 *		GREENVILLE TEXAS	14,703
	HUNTSVILLE ALABAMA	5,695		FALLS CHURCH VIRGINIA	4,906
	OXNARD CALIFORNIA	1,722		MCLEAN VIRGINIA	92
	POINT MUGU CALIFORNIA	295			
	REDONDO BEACH CALIFORNIA	1,313			
	SAN DIEGO CALIFORNIA	1,021			
	SILVER SPRING MARYLAND	317			
	FORT MONMOUTH NEW JERSEY	3,197			
	MOORESTOWN NEW JERSEY	2,374			

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
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(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
69	TRACOR INC WASHINGTON DC PORT EVERGLADE FLORIDA ROCKVILLE MARYLAND MIDDLETOWN RI AUSTIN TEXAS	23,213 + 1,166 129 1,248 159 20,511	85	PLANNING RESEARCH CORP CAMP PENDLETON CALIFORNIA BEDFORD MASS OFFUTT AFB NEBRASKA FORT MONMOUTH NEW JERSEY MCLEAN VIRGINIA	15,934 + 183 200 7,400 3,895 4,256
70	LOGICON INC SAN DIEGO CALIFORNIA SAN PEDRO CALIFORNIA VALLEJO CALIFORNIA WOODLAND HILLS CALIFORNIA LANHAM MARYLAND HANSCOM AFB MASS LEXINGTON MASS WRIGHT PATTERS OHIO ALTUS AFB OKLAHOMA TINKER AFB OKLAHOMA	23,191 + 1,440 13,843 487 775 1,588 205 1,058 3,888 91 116	87	GENERAL RESEARCH CORP HUNTSVILLE ALABAMA SANTA BARBARA CALIFORNIA FORT WALTON BE FLORIDA MCLEAN VIRGINIA ROSSLYN VIRGINIA	14,881 + 2,856 5,658 3,068 3,401 98
71	SANDERS ASSOCIATES INC MERRIMACK NH NASHUA NH	22,960 + 580 22,380	88	BOCZ ALLEN & HAMILTON INC BETHESDA MARYLAND HANSCOM AFB MASS NEW SHREWSBURY NEW JERSEY PHILADELPHIA PA	14,358 + 10,821 3,051 302 184
74	BOLT BERANEK & NEWMAN INC CANOGA PARK CALIFORNIA SAN DIEGO CALIFORNIA CAMBRIDGE MASS ARLINGTON VIRGINIA	22,702 + 176 786 20,778 962	89	KAMAN SCIENCES CORP FORT HUNTER LI CALIFORNIA SANTA BARBARA CALIFORNIA COLORADO SPRIN COLORADO BEL AIR MARYLAND BURLINGTON MASS	14,212 + 57 1,344 11,360 70 1,381
75	TELEDYNE BROWN ENGINEERING HUNTSVILLE ALABAMA	22,395 + 22,395	91	PHYSICS INTERNATIONAL CO SAN LEANDRO CALIFORNIA	12,707 + 12,707
76	E S L INC SUNNYVALE CALIFORNIA HANOVER MARYLAND	21,370 + 21,311 59	92	DYNALECTRON CORP ALBUQUERQUE NEW MEXICO HOLLOMAN AFB NEW MEXICO KIRTLAND AFB NEW MEXICO WRIGHT PATTERS OHIO	12,508 + 436 7,528 4,303 241
79	FAIRCHILD INDUSTRIES INC EDWARDS AFB CALIFORNIA VANDENBERG AFB CALIFORNIA GERMANTOWN MARYLAND FARMINGDALE NEW YORK SYOSSET NEW YORK	19,895 + 3,116 268 1,889 14,618 204	94	I T T GILFILLAN INC VAN NUYS CALIFORNIA	12,190 + 12,190
80	SYSTEM DEVELOPMENT CORP HUNTSVILLE ALABAMA CAMP PENDLETON CALIFORNIA SANTA MONICA CALIFORNIA SUNNYVALE CALIFORNIA WASHINGTON DC FORT MONMOUTH NEW JERSEY WEST LONG BRAN NEW JERSEY DAYTON OHIO MCLEAN VIRGINIA	19,858 + 4,006 450 1,593 4,878 24 262 2,615 883 4,347	97	BOEING VERTOL CO PHILADELPHIA PA RIDLEY PA RIDLEY PARK PA FORT EUSTIS VIRGINIA	11,680 + 10,837 71 697 75
82	GARRETT CORP PHOENIX ARIZONA LOS ANGELES CALIFORNIA TORRANCE CALIFORNIA BELMAR NEW JERSEY	17,961 + 14,883 150 2,896 232	98	MISSION RESEARCH CORP SAN DIEGO CALIFORNIA SANTA BARBARA CALIFORNIA COLORADO SPRIN COLORADO ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO ALEXANDRIA VIRGINIA	S 11,576 + 1,361 5,769 349 2,753 1,198 146
83	SONICRAFT INC CHICAGO ILLINOIS	S 16,771 + 16,771	99	JAYCOR DEL MAR CALIFORNIA SAN DIEGO CALIFORNIA SANTA BARBARA CALIFORNIA SANTA MONICA CALIFORNIA COLORADO SPRIN COLORADO WASHINGTON DC BOSTON MASS WOBURN MASS ALEXANDRIA VIRGINIA	S 11,519 824 5,861 411 159 319 834 49 36 3,226
84	SYSTEMS RESEARCH LABORATORIES INC GRIFFISS AFB NEW YORK DAYTON OHIO FAIRBORN OHIO WRIGHT PATTERS OHIO BROOKS AFB TEXAS FALLS CHURCH VIRGINIA	16,066 + 90 2,187 112 13,240 357 80	100	AVCO EVERETT RESEARCH LABORATORY MAUI HAWAII EVERETT MASS SOMERVILLE MASS	10,756 + 3,087 5,988 1,671
			101	CONTROL DATA CORP T T PAC IS UN KINGDOM SAN DIEGO CALIFORNIA MINNEAPOLIS MINNESOTA FORT BELVOIR VIRGINIA	10,737 2,020 375 140 8,180 22

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(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
102	MAXWELL LABORATORIES INC SAN DIEGO CALIFORNIA KIRTLAND AFB NEW MEXICO	S 10,724 * 9,328 1,396	126	SYSTEMS SCIENCE & SOFTWARE LA JOLLA CALIFORNIA SAN DIEGO CALIFORNIA ALBUQUERQUE NEW MEXICO	S 8,069 8,704 1,212 153
103	AMERICAN HOME PRODUCTS CORP NEW YORK NEW YORK	10,500 * 10,500	127	CUBIC CORP SAN DIEGO CALIFORNIA	7,935 * 7,935
105	NORDEN SYSTEMS INC NATIONAL CITY CALIFORNIA NORWALK CONN HOLLOMAN AFB NEW MEXICO MELVILLE NEW YORK	10,215 * 485 5,534 472 3,724	128	B D M SERVICES CO FORT ORD CALIFORNIA FORT KNOX KENTUCKY NEW SHREWSBURY NEW JERSEY SHREWSBURY NEW JERSEY KIRTLAND AFB NEW MEXICO MCLEAN VIRGINIA VIENNA VIRGINIA	7,904 129 537 1,604 1,375 4,214 12 33
106	ITEK CORP SUNNYVALE CALIFORNIA LEXINGTON MASS	10,165 * 764 9,401	129	EDG CORP COLLEGE POINT NEW YORK	7,840 * 7,840
108	VARIAN ASSOCIATES PALO ALTO CALIFORNIA SANTA CLARA CALIFORNIA CHEVERLY MARYLAND BEVERLY MASS GLOUCESTER MASS FLORHAM PARK NEW JERSEY	9,917 * 4,745 414 139 594 3,986 39	130	COMMAND CONTROL & COMMUNICATION HUNTSVILLE ALABAMA TORRANCE CALIFORNIA	S 7,622 * 23 7,799
109	PERKIN ELMER CORP POMONA CALIFORNIA DANBURY CONN NORWALK CONN RIDGEFIELD CONN WILTON CONN BETHESDA MARYLAND	9,881 * 556 5,031 2,860 37 1,376 21	131	ANALYTICAL SCIENCES CORP READING MASS	S 7,614 * 7,614
111	GOODYEAR AEROSPACE CORP LITCHFIELD PAR ARIZONA AKRON OHIO	9,898 * 4,091 5,807	132	BUNKER RAMO CORP WESTLAKE VILLA CALIFORNIA DANBURY CONN GRIFFISS AFB NEW YORK LANGLEY AFB VIRGINIA	7,766 * 6,534 84 821 327
112	CURTISS WRIGHT CORP WOOD RIDGE NEW JERSEY	9,532 * 9,532	133	MARQUARDT CO VAN NUYS CALIFORNIA	7,756 * 7,756
114	HYCOR INC WOBURN MASS	S 9,168 * 9,168	134	DONALDSON CO INC MINNEAPOLIS MINNESOTA	7,738 * 7,738
115	ELECTROSPACE SYSTEMS INC DAYTON OHIO RICHARDSON TEXAS ARLINGTON VIRGINIA	S 9,110 * 298 8,317 495	135	TECHNOLOGY SERVICE CORP SANTA MONICA CALIFORNIA SILVER SPRING MARYLAND	7,650 * 7,141 509
116	ANALYTIC SCIENCES CORP READING MASS ARLINGTON VIRGINIA	S 9,066 * 8,777 289	136	ARES INC PORT CLINTON OHIO	S 7,599 * 7,599
121	SOFTTECH INC WALTHAM MASS DAYTON OHIO WRIGHT PATTERS OHIO	S 8,750 * 6,472 304 1,974	137	LITTLE ARTHUR D INC CAMBRIDGE MASS	7,426 * 7,426
122	H R B SINGER INC STATE COLLEGE PA	8,710 * 8,710	138	SOLAR TURBINES INTERNATIONAL SAN DIEGO CALIFORNIA	7,420 7,420
123	SYSTEM PLANNING CORP ARLINGTON VIRGINIA	S 8,155 * 8,155	139	BENDIX FIELD ENGINEERING CORP COLUMBIA MARYLAND MERCURY NEVADA	7,378 5,563 1,615
124	MAGNAVOX ADVANCED PROD & SYS CO TORRANCE CALIFORNIA	8,126 * 8,126	140	CHAMBERLAIN MFG CORP WATERLOO IOWA NEW BEDFORD MASS	7,340 * 7,226 114
125	GOULD INC EL MONTE CALIFORNIA CHICAGO ILLINOIS ROLLING MEADOW ILLINOIS GLEN BURNIE MARYLAND CLEVELAND OHIO LANGHORNE PA	8,122 * 155 93 790 6,187 330 867	141	ANALYTICS INC HUNTSVILLE ALABAMA FORT WALTON BE FLORIDA BLOOMINGTON INDIANA NEW SHREWSBURY NEW JERSEY TINTON FALLS NEW JERSEY DAYTON OHIO WILLOW GROVE PA MCLEAN VIRGINIA	S 7,267 36 129 40 979 1,313 92 4,574 104

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(Continued)**

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144	E G & G INC		7,119 *	160	CUMMINS ENGINE CO INC		5,713 *
	ROCKVILLE	MARYLAND	4,771		COLUMBUS	INDIANA	5,713
	SALEM	MASS	340	161	DYNAMICS RESEARCH CORP		5,547 *
	WALTHAM	MASS	37		WILMINGTON	MASS	5,547
	ALBUQUERQUE	NEW MEXICO	1,496	163	TRIAD MICROSYSTEMS INC		5,497
	KIRTLAND AFB	NEW MEXICO	75		HUNTSVILLE	ALABAMA	4,939
	DAHLGREN	VIRGINIA	400		SANTA ANA	CALIFORNIA	558
145	UNITED SPACE BOOSTERS INC		7,063 *	166	INTERMETRICS INC		5,317
	VANDENBERG AFB	CALIFORNIA	7,063		LONG BEACH	CALIFORNIA	1,515
146	NEWPORT NEWS SHIPBLD & DRY DOCK CO		7,025 *		CAMBRIDGE	MASS	3,268
	NEWPORT NEWS	VIRGINIA	7,025		WRIGHT PATTERS	OHIO	450
147	ATLANTIC RESEARCH CORP		6,993 *		WARMINSTER	PA	64
	ALEXANDRIA	VIRGINIA	4,582	167	ACUREX CORP		5,222
	GAINESVILLE	VIRGINIA	2,411		MOUNTAIN VIEW	CALIFORNIA	5,149
149	SYSTEMS & APPLIED SCIENCES CORP	S	6,964 *		DAYTON	OHIO	73
	ANAHEIM	CALIFORNIA	166	168	U T L CORP		5,215 *
	RIVERDALE	MARYLAND	4,476		DALLAS	TEXAS	5,215
	HANSCOM AFB	MASS	916	169	SYSTEMS CONTROL TECHNOLOGY INC		5,165 *
	DAYTON	OHIO	1,207		PALO ALTO	CALIFORNIA	5,165
	WRIGHT PATTERS	OHIO	199	171	BETAC CORP		4,934
150	ARINC RESEARCH CORP		6,751 *		BURLINGTON	MASS	139
	SAN DIEGO	CALIFORNIA	2,246		ARLINGTON	VIRGINIA	4,795
	SANTA ANA	CALIFORNIA	3,413	172	O R I INC		4,929
	ANNAPOLIS	MARYLAND	1,092		WASHINGTON	DC	95
151	INTERSTATE ELECTRONICS CORP		6,604 *		ANNAPOLIS	MARYLAND	45
	ANAHEIM	CALIFORNIA	6,534		BETHESDA	MARYLAND	71
	WARMINSTER	PA	70		SAINT INIGOOES	MARYLAND	20
153	LORAL CORP		6,353 *		SILVER SPRING	MARYLAND	4,698
	SAN DIEGO	CALIFORNIA	38	174	SPACE DATA CORP		4,803
	YONKERS	NEW YORK	6,315		TEMPE	ARIZONA	4,803
154	PATTERN ANALYSIS & RECOGNITION CO	S	6,352 *	175	GENERAL DEFENSE CORP		4,752
	PETERSON AFB	COLORADO	754		WHARTON	NEW JERSEY	1,944
	ROME	NEW YORK	6,598		RED LION	PA	2,808
155	ANALYTICAL SYSTEMS ENGR CORP	S	6,318 *	176	PERCEPTRONICS INC		4,685 *
	BURLINGTON	MASS	5,597		WOODLAND HILLS	CALIFORNIA	4,685
	HANSCOM AFB	MASS	40	178	CINCINNATI ELECTRONICS CORP		4,647 *
	TINTON FALLS	NEW JERSEY	554		CINCINNATI	OHIO	4,647
	MIDDLETOWN	RI	127	180	NICHOLS RESEARCH CORP		4,531 *
156	MANTECH INTERNATIONAL CORP	S	6,229 *		HUNTSVILLE	ALABAMA	4,531
		GERMANY	510	181	SCHAFER W J ASSOCIATES INC		4,206 *
	HUNTSVILLE	ALABAMA	1,069		WAKEFIELD	MASS	4,180
	LAWDALE	CALIFORNIA	408		ARLINGTON	VIRGINIA	26
	LOS ANGELES	CALIFORNIA	290	183	DIKEWOOD INDUSTRIES INC		4,101 *
	PANAMA CITY	FLORIDA	49		ALBUQUERQUE	NEW MEXICO	3,351
	ANNAPOLIS	MARYLAND	388		KIRTLAND AFB	NEW MEXICO	750
	ROCKVILLE	MARYLAND	1,668	185	B E & C ENGINEERS INC		4,026 *
	LIVINGSTON	NEW JERSEY	435		PATUXENT RIVER	MARYLAND	4,026
	ARLINGTON	VIRGINIA	1,212	186	MATHEMATICAL SCIENCE	NORTHWEST INC	3,960 *
157	PIPER AIRCRAFT CORP		6,019 *		BELLEVUE	WASHINGTON	3,960
	LAKELAND	FLORIDA	6,019	187	RAIL CO INC		3,951 *
158	BRUNSWICK CORP		6,009 *		ARLINGTON	VIRGINIA	3,918
	COSTA MESA	CALIFORNIA	2,890		FALLS CHURCH	VIRGINIA	33
	DE LAND	FLORIDA	2,346				
	LINCOLN	NEBRASKA	266				
	WILLARD	OHIO	86				
	MARION	VIRGINIA	301				
159	METRIC SYSTEMS CORP	S	5,849 *				
	FORT WALTON BE	FLORIDA	5,849				

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188	ENSCO INC	CALIFORNIA	S 3,903 *	217	C T E C	VIRGINIA	S 3,267 *
	SAN DIEGO	FLORIDA	29		FALLS CHURCH	VIRGINIA	822
	INDIAN HARBOUR	VIRGINIA	1,740		MCLEAN		2,445
	NORFOLK		80	218	BEECH AIRCRAFT CORP	ALABAMA	3,174 *
	SPRINGFIELD	VIRGINIA	2,054		FORT RUCKER	KANSAS	179
189	ANALYSIS & TECHNOLOGY INC	CONN	S 3,834 *		WICHITA		2,995
	NEW LONDON	CONN	12	219	EFFECTS TECHNOLOGY INC	CALIFORNIA	3,155 *
	STONINGTON	CONN	3,637		SANTA BARBARA		3,155
	ARLINGTON	VIRGINIA	175	220	SYSTEMS CONSULTANTS INC	CALIFORNIA	3,125 *
	VIRGINIA BEACH	VIRGINIA	10		SAN DIEGO	DC	897
190	DAYRON CORP	FLORIDA	S 3,811 *		WASHINGTON	RI	520
	ORLANDO		3,811		MIDDLETOWN	VIRGINIA	1,616
192	XEROX ELECTRO OPTICAL SYSTEMS INC	CALIFORNIA	3,810 *		VIRGINIA BEACH		92
	PASADENA		3,810	221	SEMCOR INC	NEW JERSEY	S 3,118 *
193	E S D CORP	CALIFORNIA	3,798 *		MOORESTOWN	PA	2,994
	SAN JOSE	CALIFORNIA	185		WARMINSTER		124
	SANTA CLARA		3,813	222	ROSENBLATT M SON INC	VIRGINIA	S 3,052 *
196	DYNETICS INC	ALABAMA	S 3,777 *		ARLINGTON		3,052
	HUNTSVILLE	FLORIDA	3,822	223	HARSCO CORP	PA	2,967
	FORT WALTON BE		275		YORK		2,967
197	SPARTON CORP	MICHIGAN	3,721 *	224	BURROUGHS CORP	PA	2,948
	JACKSON		3,721		PAOLI		2,948
198	HENNINGSTON DURHAM RICHARDSON	CALIFORNIA	3,708 *	225	MCMULLEN JOHN J ASSOCIATES INC	VIRGINIA	2,947
	SANTA BARBARA		3,708		ARLINGTON		2,947
200	KETRON INC	PA	S 3,703 *	226	TELEDYNE INC	CALIFORNIA	2,916
	WAYNE	VIRGINIA	1,647		NORTHBRIDGE	CALIFORNIA	202
	ARLINGTON		2,156		SAN DIEGO	MARYLAND	636
202	PACIFIC SIERRA RESEARCH CORP	CALIFORNIA	S 3,652 *		TIMONIUM	MICHIGAN	635
	LOS ANGELES	CALIFORNIA	94		MUSKEGON	TEXAS	488
	SANTA MONICA		3,656		GARLAND		755
203	O A O CORP	CALIFORNIA	S 3,634 *	227	IRVINE SENSORS CORP	CALIFORNIA	S 2,900 *
	EL SEGUNDO	MARYLAND	2,596		COSTA MESA		2,900
	BELTSVILLE	MARYLAND	769	228	PLANNING SYSTEMS INC	FLORIDA	S 2,867 *
	GREENBELT		269		PANAMA CITY	VIRGINIA	48
204	QUEST RESEARCH CORP	VIRGINIA	S 3,824 *		MCLEAN		2,839
	MCLEAN		3,824	230	COMPTON RESEARCH INC	CALIFORNIA	S 2,823 *
205	FIGGIE INTERNATIONAL INC	CALIFORNIA	3,596 *		GOLETA	VIRGINIA	291
	SIERRA MADRE	NEW YORK	418		NORFOLK		2,532
	HUNTINGTON STA		3,178	234	FIBER MATERIALS INC	MAINE	S 2,779 *
206	EAGLE TECHNOLOGY INC	CALIFORNIA	S 3,589 *		BIDDEFORD		2,779
	FULLERTON	VIRGINIA	2,646	242	PIASECKI AIRCRAFT CORP	PA	S 2,700 *
	ARLINGTON		943		PHILADELPHIA		2,700
211	ELECTRONIC WARFARE ASSOCIATES	VIRGINIA	S 3,420 *	243	REL INC	FLORIDA	S 2,700 *
	MCLEAN		3,420		BOYNTON BEACH		2,700
212	PRESEARCH INC	FLORIDA	S 3,411 *	244	D B A SYSTEMS INC	FLORIDA	S 2,685 *
	PANAMA CITY	VIRGINIA	40		MELBOURNE		2,685
	ARLINGTON		3,371	245	CALIFORNIA RESEARCH & TECHNOLOGY	CALIFORNIA	S 2,667 *
214	SCOTT AVIATION SIERRA PRODUCTS INC	CALIFORNIA	3,341 *		WOODLAND HILLS		2,667
	MONROVIA		3,341	246	SANTA BARBARA RESEARCH CENTER	CALIFORNIA	2,644
215	COMPUTER CORP OF AMERICA	MASS	S 3,294 *		GOLETA		2,644
	CAMBRIDGE		3,294	248	UNIVERSAL ENERGY SYSTEMS INC	OHIO	S 2,611 *
216	I R T CORP	CALIFORNIA	S 3,286 *		DAYTON	OHIO	1,567
	SAN DIEGO	VIRGINIA	2,913		WRIGHT PATTERS		1,024
	MCLEAN		373				

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249	FEDERAL ELECTRIC CORP SANTA MARIA CALIFORNIA	2,600 = 2,600	275	MARTIN & STERN INC MANHATTAN BEAC CALIFORNIA FAIRFAX VIRGINIA	S 2,243 = 1,829 414
250	ANALYSIS & COMPUTER SYSTEMS INC BEDFORD MASS	S 2,537 = 2,537	277	SURVIVAL TECHNOLOGY CORP BETHESDA MARYLAND	S 2,208 = 2,208
252	BELL & HOWELL CO PASADENA CALIFORNIA CHICAGO ILLINOIS	2,521 = 2,021 500	278	DEVELOPMENTAL SCIENCES INC CITY OF INDUST CALIFORNIA	S 2,200 = 2,200
253	LOCKHEED ELECTRONICS CO INC ORLANDO FLORIDA DENVER NEW JERSEY PLAINFIELD NEW JERSEY	2,520 = 832 149 1,739	281	BALL CORP BOULDER COLORADO	2,112 = 2,112
254	GILBERT ASSOCIATES READING PA	2,500 = 2,500	282	ULTRASYSTEMS INC IRVINE CALIFORNIA NORTON AFB CALIFORNIA FORT MEADE MARYLAND	S 2,108 = 226 885 997
255	XETRON CORP CINCINNATI OHIO	S 2,496 = 2,496	284	INTERNATIONAL LASER SYSTEMS INC ORLANDO FLORIDA KIRTLAND AFB NEW MEXICO	2,088 = 344 1,724
256	HANSON R A CO INC SPOKANE WASHINGTON	S 2,475 = 2,475	285	HUGHES RESEARCH LABORATORIES MALIBU CALIFORNIA	2,043 = 2,043
257	LINKABIT CORP SAN DIEGO CALIFORNIA	S 2,473 = 2,473	288	BECHTEL NATIONAL INC SAN FRANCISCO CALIFORNIA	2,000 2,000
258	SYNECTICS CORP ROME NEW YORK FAIRFAX VIRGINIA	S 2,455 = 106 2,349	289	SYSTEMS EXPLORATION INC MONTEREY CALIFORNIA SAN DIEGO CALIFORNIA	S 1,999 = 69 1,930
261	V S E CORP OXNARD CALIFORNIA ALEXANDRIA VIRGINIA	2,427 = 1,850 577	290	MECHANICAL TECHNOLOGY INC LATHAM NEW YORK	1,990 = 1,990
262	SACHS FREEMAN ASSOCIATES INC WASHINGTON DC BLADENSBURG MARYLAND BOWIE MARYLAND HYATTSVILLE MARYLAND	S 2,415 = 593 407 1,341 74	291	AEROMET INC TULSA OKLAHOMA	S 1,989 = 1,989
263	SPACE VECTOR CORP NORTHridge CALIFORNIA	S 2,397 = 2,397	292	RAYCOMM INDUSTRIES INC FORT MONMOUTH NEW JERSEY	S 1,979 = 1,979
265	AERONAUTICAL RESEARCH ASSOCIATES PORT REPUBLIC NEW JERSEY PRINCETON NEW JERSEY	S 2,360 = 40 2,320	293	GIBBS & COX INC NEW YORK NEW YORK ARLINGTON VIRGINIA	1,966 = 183 1,783
266	HORIZONS TECHNOLOGY INC SAN DIEGO CALIFORNIA	S 2,352 = 2,352	295	PHYSICS APPLICATIONS INC FREMONT CALIFORNIA SAN JOSE CALIFORNIA GRAND SALINE TEXAS	S 1,933 = 1,426 436 71
267	NUCLEAR METALS INC CONCORD MASS	S 2,349 = 2,349	298	VERAC INC SAN DIEGO CALIFORNIA ALBUQUERQUE NEW MEXICO	S 1,906 = 1,814 292
268	WEIDLINGER ASSOCIATES CONSULT ENGR MENLO PARK CALIFORNIA NEW YORK NEW YORK	S 2,335 = 863 1,772	300	AMERICAN AIRLINES INC FORT WORTH TEXAS	1,895 = 1,895
270	ARGO SYSTEMS INC PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA	S 2,334 = 833 1,701	301	FOSTER MILLER ASSOCIATES INC WALTHAM MASS	S 1,881 = 1,881
273	STENCEL AERO ENGINEERING CORP ARDEN NCAR ASHEVILLE NCAR	2,297 = 18 2,279	302	WHITTAKER CORP CHATSWORTH CALIFORNIA EGLIN AFB FLORIDA	1,853 = 1,818 35
274	VEDA INC CAMARILLO CALIFORNIA DAYTON OHIO SOUTHAMPTON PA ARLINGTON VIRGINIA	S 2,248 = 97 885 181 1,305	303	DECISIONS & DESIGNS INC MCLEAN VIRGINIA	S 1,846 = 1,846
			304	DESIGNERS & PLANNERS INC ARLINGTON VIRGINIA	S 1,841 = 1,841

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
305	TETRA TECH INC PASADENA CALIFORNIA SAN DIEGO CALIFORNIA WASHINGTON DC ARLINGTON VIRGINIA	1,825 + 841 488 387 409	329	FLIGHT SYSTEMS INC NEWPORT BEACH CALIFORNIA HOLLOMAN AFB NEW MEXICO WHITE SANDS MS NEW MEXICO	S 1,822 + 252 34 1,336
306	XEROX CORP PALO ALTO CALIFORNIA PASADENA CALIFORNIA WEBSTER NEW YORK	1,822 + 345 1,429 48	332	SUMMIT RESEARCH CORP GAITHERSBURG MARYLAND	S 1,596 + 1,596
307	ADVANCED INFORMATION & DECN SYS LOS ALTOS CALIFORNIA MOUNTAIN VIEW CALIFORNIA	S 1,820 + 220 1,600	333	ORINCON CORP LA JOLLA CALIFORNIA	S 1,592 1,592
309	FAIRCHILD CAMERA & INSTRUMENT CORP SYOSSET NEW YORK	1,815 + 1,815	334	I L C DOVER FREDERICA DELAWARE	1,590 + 1,590
311	SIPPICAN CORP MARION MASS	S 1,785 + 1,785	335	TECHNOLOGY INC DAYTON OHIO BROOKS AFB TEXAS SAN ANTONIO TEXAS	S 1,568 + 509 925 134
312	AMERICAN ELECTRONIC LABS INC LANSDALE PA MONTGOMERYVILLE PA	1,769 + 869 900	336	HONEYWELL INFORMATION SYSTEMS INC MINNEAPOLIS MINNESOTA MCLEAN VIRGINIA SEATTLE WASHINGTON	1,562 + 168 1,213 181
313	CONTEL INFORMATION SYSTEMS INC BETHESDA MARYLAND GREAT NECK NEW YORK DAYTON OHIO VIENNA VIRGINIA	1,755 + 1,125 240 180 210	337	GENERAL ATRONICS CORP PHILADELPHIA PA	1,561 + 1,561
314	ALTUS CORP SAN JOSE CALIFORNIA	S 1,748 + 1,748	338	SIGNATRON INC LEXINGTON MASS	S 1,561 + 1,561
316	PACER SYSTEMS INC BURLINGTON MASS FORT WASHINGTON PA ARLINGTON VIRGINIA	S 1,743 + 591 989 163	339	STANFORD TELECOMMUNICATIONS INC SUNNYVALE CALIFORNIA	S 1,560 + 1,560
318	ARMAMENT SYSTEMS INC ANAHEIM CALIFORNIA ABERDEEN PROV MARYLAND	S 1,723 + 1,523 200	340	ARETE ASSOCIATES INC ENCINO CALIFORNIA SANTA MONICA CALIFORNIA	S 1,553 + 1,241 312
321	GEO CENTERS INC SUITLAND MARYLAND NEEDHAM HEIGHT MASS NEWTON UPPER F MASS DOVER NEW JERSEY	S 1,686 + 165 301 1,170 50	341	ADVANCED MARINE ENTERPRISES INC ARLINGTON VIRGINIA	S 1,544 + 1,544
322	BATTELLE COLUMBUS LABORATORIES FORT MC CLELLA ALABAMA TEMPE ARIZONA ARVADA COLORADO TALLAHASSEE FLORIDA MANHATTAN KANSAS RENO NEVADA COLUMBUS OHIO SALT LAKE CITY UTAH	1,681 + 29 31 67 21 74 36 1,397 26	342	ROME RESEARCH CORP GRIFFISS AFB NEW YORK NEW HARTFORD NEW YORK ROME NEW YORK	S 1,543 + 550 464 529
323	STEARNS ROGER INC VANDENBERG AFB CALIFORNIA DENVER COLORADO	1,681 + 1,748 67-	343	GENTEX CORP CARBONDALE PA	S 1,540 + 1,540
326	CORVUS SYSTEMS INC MCLEAN VIRGINIA VIENNA VIRGINIA	S 1,639 + 753 886	346	ATLANTIC ANALYSIS CORP NORFOLK VIRGINIA	S 1,508 + 1,508
327	ADVANCED RESEARCH & APPL CORP SUNNYVALE CALIFORNIA	S 1,630 + 1,630	348	SUPPORT SYSTEMS ASSOCIATES INC BURLINGTON MASS DAYTON OHIO WRIGHT PATTERS OHIO	S 1,494 + 819 358 317
			349	DEFENSE SYSTEMS INC ARLINGTON VIRGINIA MCLEAN VIRGINIA	S 1,489 + 767 722
			350	PHYSICAL DYNAMICS INC LA JOLLA CALIFORNIA ARLINGTON VIRGINIA BELLEVUE WASHINGTON	S 1,484 + 089 106 288
			351	GLOBAL MARINE DEVELOPMENT INC IRVINE CALIFORNIA NEWPORT BEACH CALIFORNIA	1,483 + 304 179
			352	SPECTRA RESEARCH SYSTEMS INC HUNTSVILLE ALABAMA IRVINE CALIFORNIA NEWPORT BEACH CALIFORNIA	S 1,482 + 473 100 908

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
353	SYSTEMS PLANNING & ANALYSIS INC ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	S 1,478 + 354 1,124	377	SIEPRA RESEARCH CORP BUFFALO NEW YORK	1,329 + 1,329
354	VISIDYNE INC BURLINGTON MASS WOBURN MASS	S 1,478 + 1,428 50	378	B K DYNAMICS INC SAN DIEGO CALIFORNIA ROCKVILLE MARYLAND	S 1,313 + 50 1,263
355	ENGINEERING RESEARCH ASSOCIATES MCLEAN VIRGINIA RESTON VIRGINIA	S 1,475 + 1,110 365	379	MAC AULAY BROWN INC DAYTON OHIO FAIRBORN OHIO	S 1,306 + 585 721
356	TELEDYNE GEOTECH GARLAND TEXAS ALEXANDRIA VIRGINIA ARLINGTON VIRGINIA	1,473 + 488 85 920	380	TETAN SYSTEMS INC LA JOLLA CALIFORNIA SAN DIEGO CALIFORNIA COLORADO SPRING COLORADO MCLEAN VIRGINIA	S 1,283 + 487 149 96 551
357	SANTA FE CORP ALEXANDRIA VIRGINIA	S 1,472 + 1,472	382	CHRYSLER CORP HUNTSVILLE ALABAMA NEW ORLEANS LOUISIANA STERLING HEIGHTS MICHIGAN	1,280 + 1,460 20 200-
359	AERODYNE RESEARCH INC BEDFORD MASS BILLERICA MASS	S 1,467 + 837 530	383	MEGAPULSE INC BEDFORD MASS	S 1,276 + 1,276
360	OPTI METRICS INC ANN ARBOR MICHIGAN WHITE SANDS MS NEW MEXICO	S 1,465 + 433 1,032	385	CONTRAVES GOERZ CORP PITTSBURGH PA	1,268 1,268
361	PROTOTYPE DEVELOPMENT INC SANTA ANA CALIFORNIA	S 1,465 + 1,465	386	TECHNITROL INC PHILADELPHIA PA	1,267 + 1,267
362	INCO INC COLORADO SPRING COLORADO ENT AFB COLORADO MCLEAN VIRGINIA	S 1,442 + 98 36 308	387	LITTON INDUSTRIES INC TEMPE ARIZONA CANOGA PARK CALIFORNIA SAN CARLOS CALIFORNIA COLLEGE PARK MARYLAND WILLIAMSPORT PA	1,257 + 35 15 360 742 105
363	APPLIED SCIENCE ASSOCIATES INC APEX NCAR FORT SILL OKLAHOMA VALENCIA PA EL PASO TEXAS FORT BLISS TEXAS	S 1,439 + 100 146 895 100 98	388	MCLEAN RESEARCH CENTER INC MCLEAN VIRGINIA	S 1,255 + 1,255
365	B E I ELECTRONICS INC CAMDEN ARKANSAS LITTLE ROCK ARKANSAS EULESS TEXAS	S 1,409 + 356 50 893	389	A M A F INDUSTRIES INC COLUMBIA MARYLAND	S 1,237 + 1,237
367	DELEX SYSTEMS INC VIENNA VIRGINIA	S 1,394 + 1,394	390	GENERAL ATOMIC CO SAN DIEGO CALIFORNIA	S 1,228 + 1,228
370	PACCAR INC RENTON WASHINGTON	1,384 + 1,384	391	AMP NAPLES CORP SANTA BARBARA CALIFORNIA SPRINGFIELD VIRGINIA	S 1,222 + 1,127 95
371	WASHINGTON PATROL SERVICE INC T T PAC S	S 1,314 + 1,314	392	AMERICAN ENGINEERING INC AMERDOE MASS	S 1,220 + 1,220
372	OCEAN DATA SYSTEMS INC MONTEREY CALIFORNIA ROCKVILLE MARYLAND	S 1,304 + 34 34	393	AMERICAN TECHNOLOGY INC SANTA ANA CALIFORNIA	1,194 1,194
373	FREQUENCY & TIME SYSTEMS INC BEVERLY MASS	S 1,314 + 34	394	AMERICAN SYSTEMS CORP FORT LAVERGNE ILLINOIS	S 1,192 + 1,192
375	PHYSICAL SCIENCES CORP WOBURN MASS	S 1,310 + 1,310	395	AMERICAN SYSTEMS CORP FORT LAVERGNE ILLINOIS	S 1,183 + 1,183
376	TECHNOLOGY DEVELOPMENT CORP ARLINGTON TEXAS	S 1,310 + 31	396	AMERICAN SYSTEMS CORP FORT LAVERGNE ILLINOIS	S 1,179 + 1,179

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
402	ASSURANCE TECHNOLOGY CORP CARLISLE MASS	S 1,170 + 1,170	427	WHEELERS INDUSTRIES INC WASHINGTON DC	S 1,044 1,044
403	NIELSEN ENGINEERING & RESEARCH CO MOUNTAIN VIEW CALIFORNIA	S 1,165 + 1,165	428	MCGRW HILL CONTINUING EDUCATION SILVER SPRING MARYLAND	1,039 1,039
404	WESTON ROY F WEST CHESTER PA	S 1,164 + 1,164	430	WAGNER DANIEL H ASSOCIATES INC PAOLI PA HAMPTON VIRGINIA	S 1,024 + 963 41
405	DIGITAL TECHNOLOGY INC CHAMPAIGN ILLINOIS DAYTON OHIO	S 1,157 + 1,072 85	431	G T E LABORATORIES INC WALTHAM MASS	1,023 + 1,023
406	ELECTRONIC ASSOCIATES INC WARREN MICHIGAN WEST LONG BRAN NEW JERSEY	1,146 + 92 1,054	432	SIERRA GEOPHYSICS INC ARCADIA CALIFORNIA REDMOND WASHINGTON	S 1,018 + 516 502
407	SPARTA INC HUNTSVILLE ALABAMA LEXINGTON MASS	S 1,141 + 1,043 98	433	CONSOLIDATED ANALYSIS CENTER INC ARLINGTON VIRGINIA	S 1,014 + 1,014
408	XONTECH INC LOS ANGELES CALIFORNIA VAN NUYS CALIFORNIA	S 1,140 + 60 1,080	434	SCOPE ELECTRONICS INC RESTON VIRGINIA	1,009 + 1,009
410	S T D RESEARCH CORP ARCADIA CALIFORNIA	S 1,131 + 1,131	435	KTECH CORP ALBUQUERQUE NEW MEXICO	S 1,008 + 1,008
411	ROHM & HAAS CO HUNTSVILLE ALABAMA SPRING HOUSE PA	1,126 + 268 858	436	ELECTRO MAGNETIC APPLICATIONS INC ALBUQUERQUE NEW MEXICO	S 1,003 + 1,003
412	SYSTEMS ENGINEERING LABORATORIES WILLIAMS AFB ARIZONA	1,126 + 1,126	438	GEOMET TECHNOLOGIES INC ROCKVILLE MARYLAND	S 992 + 992
413	RAYTHEON SERVICE CO BEDFORD MASS WRIGHT PATTERS OHIO ARLINGTON VIRGINIA	1,123 + 565 410 148	439	KERNCO ONC DANVERS MASS	S 986 + 986
414	WESTERN RESEARCH CORP SAN DIEGO CALIFORNIA	S 1,123 + 1,123	440	MATERIAL CONCEPTS INC COLUMBUS OHIO	S 986 + 986
415	NEW TECHNOLOGY INC HUNTSVILLE ALABAMA	S 1,120 + 1,120	443	PACIFICA TECHNOLOGY DEL MAR CALIFORNIA SAN DIEGO CALIFORNIA	S 980 768 212
417	MERRIT J L CNSLT & SPEC ENGR SVS REDLANDS CALIFORNIA	S 1,093 + 1,093	444	D W A COMPOSITES SPECIALTIES INC CHATSWORTH CALIFORNIA	S 978 + 978
418	BALL BROS RESEARCH CORP BOULDER COLORADO	1,085 + 1,085	445	MECHANICAL EQUIPMENT CO INC NEW ORLEANS LOUISIANA	S 977 + 977
419	GARD INC NILES ILLINOIS	1,082 + 1,082	446	ESSEX CORP WHITE SANDS MS NEW MEXICO WARMINSTER PA ALEXANDRIA VIRGINIA	S 971 142 45 784
420	VECTOR RESEARCH INC ANN ARBOR MICHIGAN	S 1,078 + 1,078	447	MINE SAFETY APPLIANCES CO EVANS CITY PA MURRYSVILLE PA	968 + 866 102
421	LOCKHEED SHIPBUILDING CONSTRUCTION PHILADELPHIA PA SEATTLE WASHINGTON	1,074 + 15 1,059	451	SCIENTIFIC RESEARCH ASSOCIATES GLASTONBURY CONN HARTFORD CONN ROCKVILLE MARYLAND	S 954 + 648 130 176
422	ROSENBAUM HAROLD ASSOCIATES INC BURLINGTON MASS LEXINGTON MASS	S 1,073 + 453 820	452	CANYON RESEARCH GROUP INC WESTLAKE VILLA CALIFORNIA	S 953 953
423	POLARIS INC ARLINGTON VIRGINIA	S 1,072 + 1,072	453	HYDROTRONICS INC ANAHEIM CALIFORNIA MCLEAN VIRGINIA	952 + 17 935
426	SYSCON CORP SAN DIEGO CALIFORNIA WASHINGTON DC ALBUQUERQUE NEW MEXICO	1,061 + 80 79 922	454	LIFE SUPPORT SYSTEMS INC MOUNTAIN VIEW CALIFORNIA	S 946 + 946

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Business Firms: FY 1982
(Concluded)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
455	WESTERN GEAR CORP JAMESTOWN NDAK	942 + 942	477	POLAR RESEARCH LABORATORY INC SANTA BARBARA CALIFORNIA	S 870 + 870
456	APPLICATIONS RESEARCH CORP DAYTON OHIO	S 941 + 771	478	TELEPHONICS CORP HUNTINGTON NEW YORK	865 865
457	COMSAT GENERAL CORP WASHINGTON DC	941 + 941	479	SCIENTIFIC TECH ASSOCIATES INC PRINCETON NEW JERSEY	S 861 + 861
458	ANAMET LABORATORIES INC KIRTLAND AFB NEW MEXICO	939 + 326	480	SIGNAL SCIENCE INC SANTA CLARA CALIFORNIA	S 861 + 861
459	ADAPTIVE OPTICS ASSOCIATES INC CAMBRIDGE MASS	S 931 + 931	481	NEVADA ENGINEERING & TECHNOLOGY LONG BEACH CALIFORNIA	S 857 + 857
460	APPLIED TECHNOLOGY ASSOCIATES INC SUNNYVALE CALIFORNIA	931 + 72	484	DELTA RESEARCH INC HUNTSVILLE ALABAMA	S 848 + 848
461	HELIONETICS INC IRVINE CALIFORNIA	S 924 + 924	485	PATEL ENTERPRISES INC HUNTSVILLE ALABAMA	S 848 + 848
462	HOUSEHOLD DATA SERVICES INC RESTON VIRGINIA	S 921 + 921	487	FREQUENCY ELECTRONICS INC HYDE PARK NEW YORK	S 830 + 619
463	LEAR SIEGLER INC GRAND RAPIDS MICHIGAN	921 + 921		MITCHELL AFB NEW YORK	75
464	EASTMAN KODAK CO ROCHESTER NEW YORK	918 + 918		NEW HYDE PARK NEW YORK	136
465	SPECTRON DEVELOPMENT LABORATORIES COSTA MESA CALIFORNIA	S 918 + 918	488	VARO INC GARLAND TEXAS	830 + 830
467	ALPHATECH INC BURLINGTON MASS	S 917 + 917	489	MONSANTO RESEARCH CORP DAYTON OHIO	829 + 724
468	APPLICON INC BURLINGTON MASS	S 915 + 915		WRIGHT PATTERS OHIO	105
469	INFORMATION SPECTRUM INC CHERRY HILL NEW JERSEY	S 914 + 355	490	M A N TRUCK & BUS CORP SOUTHFIELD MICHIGAN	827 + 797
470	SCIENTIFIC SYSTEMS INC CAMBRIDGE MASS	S 898 + 898		CLEVELAND NCAR	30
471	ADAPTIVE SENSORS INC SANTA MONICA CALIFORNIA	S 897 + 897	491	BOOZ ALLEN APPLIED RESEARCH INC BETHESDA MARYLAND	822 + 752
472	MARK RESOURCES INC LOS ANGELES CALIFORNIA	S 897 + 38		HANSCOM AFB MASS	70
473	ACTION MFG CO PHILADELPHIA PA	S 889 + 889	492	VREDENBURG R M & CO MCLEAN VIRGINIA	S 822 + 822
474	CALCULON CORP MIDDLETOWN NEW JERSEY	S 887 + 167	494	SCIPAR INC BUFFALO NEW YORK	S 819 + 819
475	RADIAN CORP AUSTIN TEXAS	880 + 880	495	E M SYSTEMS INC SUNNYVALE CALIFORNIA	S 812 + 812
476	E G & O WASHINGTON ANAL SVC CEN ROCKVILLE MARYLAND	874 + 874	496	DECISION SCIENCE APPLICATIONS INC ARLINGTON VIRGINIA	S 810 + 810
			497	SCIENCE & TECHNOLOGY INC HUNTSVILLE ALABAMA	S 809 + 373
				HAMPTON VIRGINIA	436
			498	WESTAT INCV ROCKVILLE MARYLAND	809 + 809
			499	BEDFORD RESEARCH ASSOCIATES INC HANSCOM AFB MASS	S 804 + 804
			500	ANACAPA SCIENCES INC DOTHAN ALABAMA	S 802 + 462
				SANTA BARBARA CALIFORNIA	340
					13,101,315

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
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**Table 3. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Educational and Nonprofit Institutions: FY 1982**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
12	AEROSPACE CORP EL SEGUNDO CALIFORNIA	236,546 *		BATTELLE MEMORIAL INSTITUTE	
13	JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND LAUREL MARYLAND	235,517 * 2,055 233,462		ADELPHI MARYLAND	37
18	MASSACHUSETTS INSTITUTE TECHNOLOGY CAMBRIDGE MASS LEXINGTON MASS	216,562 * 28,125 188,437		BURLINGTON MASS	32
19	MITRE CORP BEDFORD MASS MCLEAN VIRGINIA	167,084 * 168,876 188		CAMBRIDGE MASS	52
43	ILLINOIS INSTITUTE TECHNOLOGY CHICAGO ILLINOIS ANNAPOLIS MARYLAND GRIFFISS AFB NEW YORK ROME NEW YORK WRIGHT PATTERS OHIO	44,418 * 12,734 30,624 128 773 159		LEXINGTON MASS	18
48	S R I INTERNATIONAL MENLO PARK CALIFORNIA	38,247 * 38,247		NATICK MASS	21
52	CALIFORNIA UNIVERSITY OF BERKELEY CALIFORNIA DAVIS CALIFORNIA IRVINE CALIFORNIA LA JOLLA CALIFORNIA LOS ANGELES CALIFORNIA RIVERSIDE CALIFORNIA SAN DIEGO CALIFORNIA SAN FRANCISCO CALIFORNIA SANTA BARBARA CALIFORNIA SANTA CRUZ CALIFORNIA SEPULVEDA CALIFORNIA WRIGHT PATTERS OHIO	35,345 * 8,627 202 1,591 12,151 4,846 145 1,042 840 1,993 170 20 4,018		READING MASS	38
54	CHARLES STARK DRAPER LABS INC CAMBRIDGE MASS	33,664 * 33,664		WAKEFIELD MASS	39
63	GEORGIA TECH RESEARCH INSTITUTE ATLANTA GEORGIA	26,689 * 26,689		WATERTOWN MASS	39
72	RAND CORP SANTA MONICA CALIFORNIA	22,844 * 22,844		ANN ARBOR MICHIGAN	91
73	STANFORD UNIVERSITY MENLO PARK CALIFORNIA STANFORD CALIFORNIA	22,783 * 45 22,738		MINNEAPOLIS MINNESOTA	25
77	BATTELLE MEMORIAL INSTITUTE HUNTSVILLE ALABAMA REDSTONE ARSEN ALABAMA TUCSON ARIZONA PINE BLUFF ARKANSAS LA JOLLA CALIFORNIA LONG BEACH CALIFORNIA MONTEREY CALIFORNIA SAN DIEGO CALIFORNIA STANFORD CALIFORNIA COMMERCE CITY COLORADO DENVER COLORADO FORT COLLINS COLORADO WASHINGTON DC GAINESVILLE FLORIDA ATLANTA GEORGIA FORT GORDON GEORGIA CHAMPAIGN ILLINOIS CHICAGO ILLINOIS FORT SHERIDAN ILLINOIS ROCK ISLAND ILLINOIS LOUISVILLE KENTUCKY ABERDEEN PROV MARYLAND	21,060 * 301 391 15 12 20 127 14 223 12 20 125 13 56 153 10 23 44 34 37 12 86 353		VICKSBURG MISS	13
				BERKELEY HGTS NEW JERSEY	20
				DOVER NEW JERSEY	313
				FORT MONMOUTH NEW JERSEY	91
				RED BANK NEW JERSEY	23
				WHITE SANDS MS NEW MEXICO	127
				BROOKLYN NEW YORK	11
				BUFFALO NEW YORK	18
				NEW YORK NEW YORK	16
				DURHAM NCAR	33
				RALEIGH NCAR	139
				RESEARCH TRIAN NCAR	538
				CLEVELAND OHIO	21
				COLUMBUS OHIO	15,526
				DAYTON OHIO	20
				CORVALLIS OREGON	22
				PROVIDENCE RI	23
				TULLAHOMA TENNESSEE	17
				COLLEGE STATIO TEXAS	21
				ALEXANDRIA VIRGINIA	12
				FALLS CHURCH VIRGINIA	13
				FORT BELVOIR VIRGINIA	100
				FORT EUSTIS VIRGINIA	85
				FORT MONROE VIRGINIA	158
				HAMPTON VIRGINIA	19
				MCLEAN VIRGINIA	41
				ROANOKE VIRGINIA	27
				WARRENTON VIRGINIA	16
				YORKTOWN VIRGINIA	19
				RICHLAND WASHINGTON	1,080
				MADISON WISCONSIN	25
			81	INSTITUTE FOR DEFENSE ANALYSIS ALEXANDRIA VIRGINIA ARLINGTON VIRGINIA	18,121 * 10,601 7,520
			88	TEXAS UNIVERSITY OF ARLINGTON TEXAS AUSTIN TEXAS DALLAS TEXAS EL PASO TEXAS GALVESTON TEXAS RICHARDSON TEXAS SAN ANTONIO TEXAS	15,720 * 211 119 14,148 142 50 71 380 599
			90	DAYTON UNIVERSITY OF WILLIAMS AFB ARIZONA EDWARDS AFB CALIFORNIA KIRTLAND AFB NEW MEXICO DAYTON OHIO WRIGHT PATTERS OHIO	13,505 * 1,604 277 201 8,493 2,930
			93	PENNSYLVANIA STATE UNIVERSITY HERSHEY PA STATE COLLEGE PA UNIVERSITY PAR PA	12,264 * 32 738 11,484
			95	WOODS HOLE OCEANOGRAPHIC INST WOODS HOLE MASS	11,798 11,798

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**Table 3. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Educational and Nonprofit Institutions: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
96	NEW MEXICO STATE UNIVERSITY LAS CRUCES NEW MEXICO WHITE SANDS MS NEW MEXICO	11,745 * 2,399 9,346	191	RIVERSIDE RESEARCH INSTITUTE NEW YORK NEW YORK ARLINGTON VIRGINIA	3,611 * 3,473 336
104	WASHINGTON UNIVERSITY OF SEATTLE WASHINGTON	10,368 * 10,368	194	PENNSYLVANIA UNIVERSITY OF WASHINGTON DC PHILADELPHIA PA	3,790 * 127 3,663
107	CARNEGIE MELLON UNIVERSITY PITTSBURGH PA	10,028 * 10,028	195	GEORGIA INSTITUTE TECH ATLANTA GEORGIA	3,789 * 3,789
110	SOUTHERN CALIFORNIA UNIVERSITY OF LOS ANGELES CALIFORNIA MARINA DEL REY CALIFORNIA	9,654 * 9,700 154	199	WASHINGTON BOOKER T FOUNDATION WASHINGTON DC	3,708 * 3,708
113	UTAH STATE UNIVERSITY LOGAN UTAH	9,431 * 9,431	201	SOUTHERN RESEARCH INSTITUTE BIRMINGHAM ALABAMA	3,699 * 3,699
116	ILLINOIS UNIVERSITY OF CHAMPAIGN ILLINOIS CHICAGO ILLINOIS URBANA ILLINOIS	8,957 * 713 1,377 8,667	207	HUMAN RESOURCES RESEARCH ORGN ALEXANDRIA VIRGINIA	3,491 * 3,491
119	ANALYTIC SERVICES INC WILLOW GROVE PA ARLINGTON VIRGINIA	8,851 * 215 8,636	208	OREGON STATE UNIVERSITY CORVALLIS OREGON	3,485 * 3,485
120	SOUTHWEST RESEARCH INSTITUTE SAN ANTONIO TEXAS	8,754 * 8,754	209	ARIZONA UNIVERSITY OF TUCSON ARIZONA	3,450 * 3,450
142	MARYLAND UNIVERSITY OF BALTIMORE MARYLAND COLLEGE PARK MARYLAND FORT MEADE MARYLAND	7,237 * 2,845 4,532 60	210	MASSACHUSETTS UNIVERSITY OF AMHERST MASS WORCESTER MASS	3,433 * 3,206 227
146	ROCHESTER UNIVERSITY OF ROCHESTER NEW YORK ARLINGTON VIRGINIA	6,976 * 1,565 5,391	213	VIRGINIA POLYTECHNIC INSTITUTE BLACKSBURG VIRGINIA	3,369 * 3,369
152	NEW MEXICO UNIVERSITY OF ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO LAS CRUCES NEW MEXICO	6,566 * 971 5,570 25	229	PRINCETON UNIVERSITY PRINCETON NEW JERSEY	2,855 * 2,855
162	ENVIRONMENTAL RSCH INST OF MICH ANN ARBOR MICHIGAN	5,505 * 5,505	231	BOSTON COLLEGE CHESTNUT HILL MASS HANSCOM AFB MASS NEWTON MASS WESTON MASS	2,811 * 1,893 180 217 521
164	COLUMBIA UNIVERSITY NEW YORK NEW YORK PALISADES NEW YORK	5,468 * 4,134 1,334	232	FLORIDA STATE UNIVERSITY GAINESVILLE FLORIDA TALLAHASSEE FLORIDA	2,786 * 523 2,263
165	CALIFORNIA INSTITUTE OF TECHNOLOGY FORT HUACHUCA ARIZONA PASADENA CALIFORNIA	5,355 * 155 5,200	233	SYRACUSE RESEARCH CORP SYRACUSE NEW YORK	2,781 * 2,781
173	CORNELL UNIVERSITY ITHACA NEW YORK NEW YORK NEW YORK	4,872 * 4,884 288	235	SOUTHEASTERN CTR ELECT ENGR EDUC ORLANDO FLORIDA ST CLOUD FLORIDA WRIGHT PATTERS OHIO	2,760 * 249 2,313 198
177	OHIO STATE UNIV RESERCH FOUNDATION COLUMBUS OHIO	4,874 * 4,874	236	MIAMI UNIVERSITY OF CORAL GABLES FLORIDA MIAMI FLORIDA	2,752 * 2,279 473
179	WISCONSIN UNIVERSITY OF MADISON WISCONSIN PLATTEVILLE WISCONSIN	4,811 * 4,877 34	237	OKLAHOMA STATE UNIVERSITY OF EGLIN AFB FLORIDA STILLWATER OKLAHOMA	2,746 * 1,455 1,291
182	YALE UNIVERSITY NEW HAVEN CONN	4,204 * 4,204	238	GEORGE WASHINGTON UNIVERSITY WASHINGTON DC	2,736 * 2,736
184	MICHIGAN UNIVERSITY OF ANN ARBOR MICHIGAN PONTIAC MICHIGAN	4,095 * 3,980 115	239	HARVARD UNIVERSITY BOSTON MASS CAMBRIDGE MASS	2,736 * 60 2,676
			241	BOSTON UNIVERSITY BOSTON MASS CHESTNUT HILL MASS	2,702 * 2,644 58

* - MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 3. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Educational and Nonprofit Institutions: FY 1982
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
247	DENVER UNIVERSITY OF DENVER COLORADO	2,635 + 2,635	319	NORTH CAROLINA STATE UNIVERSITY RALEIGH NCAR	1,718 + 1,718
258	MINNESOTA UNIVERSITY OF MINNEAPOLIS MINNESOTA ST PAUL MINNESOTA	2,459 + 1,409 1,050	320	IOWA UNIVERSITY OF AMES IOWA IOWA CITY IOWA	1,703 + 36 1,667
260	PURDUE RESEARCH FOUNDATION LAFAYETTE INDIANA WEST LAFAYETTE INDIANA	2,430 + 732 1,698	324	RESEARCH TRIANGLE INSTITUTE RESEARCH TRIAN NCAR	1,680 + 1,680
264	UTAH UNIVERSITY OF SALT LAKE CITY UTAH	2,387 + 2,387	325	NORTH CAROLINA UNIVERSITY OF CHAPEL HILL NCAR WILMINGTON NCAR	1,876 + 1,637 39
268	SALK INSTITUTE THE SAN DIEGO CALIFORNIA SWIFTWATER PA	2,346 + 122 2,224	328	NEW YORK POLYTECHNIC INSTITUTE BROOKLYN NEW YORK NEW YORK NEW YORK	1,826 + 1,561 65
271	NEW YORK STATE UNIV RESEARCH FOUND ALBANY NEW YORK BINGHAMTON NEW YORK BUFFALO NEW YORK STONY BROOK NEW YORK	2,314 + 2,119 88 72 35	331	MICHIGAN STATE UNIVERSITY EAST LANSING MICHIGAN	1,619 + 1,619
272	RENSSELAER POLYTECHNIC INSTITUTE TROY NEW YORK	2,305 + 2,305	344	CALIFORNIA STATE OF BERKELEY CALIFORNIA SACRAMENTO CALIFORNIA	1,531 + 1,499 32
276	HAWAII UNIVERSITY OF HONOLULU HAWAII	2,214 + 2,214	345	TENNESSEE UNIVERSITY OF KNOXVILLE TENNESSEE MEMPHIS TENNESSEE TULLAHOMA TENNESSEE	1,531 + 1,140 15 376
279	TEXAS A & M RESEARCH FOUNDATION COLLEGE STATIO TEXAS	2,153 + 2,153	347	TEXAS TECHNOLOGICAL COLLEGE LUBBOCK TEXAS	1,508 + 1,508
280	FLORIDA UNIVERSITY GAINESVILLE FLORIDA	2,143 + 2,143	358	STEVENS INSTITUTE OF TECHNOLOGY HOBOKEN NEW JERSEY	1,469 + 1,469
283	COLORADO UNIVERSITY BOULDER COLORADO COLORADO SPRIN COLORADO DENVER COLORADO	2,073 + 1,757 55 261	364	VIRGINIA UNIVERSITY OF CHARLOTTESVILL VIRGINIA	1,415 + 1,415
286	LEHIGH UNIVERSITY BETHLEHEM PA	2,034 + 2,034	368	DUKE UNIVERSITY DURHAM NCAR	1,390 + 1,390
287	RHODE ISLAND UNIVERSITY OF KINGSTON RI	2,018 + 2,018	369	WENTWORTH INSTITUTE BOSTON MASS	1,387 + 1,387
294	BROWN UNIVERSITY PROVIDENCE RI	1,942 + 1,942	374	NEW MEXICO INSTITUTE MINING & TECH SOCORRO NEW MEXICO	1,340 + 1,340
296	NORTHEASTERN UNIVERSITY BOSTON MASS	1,920 + 1,920	380	KANSAS UNIVERSITY OF KANSAS CITY KANSAS LAWRENCE KANSAS KANSAS CITY MISSOURI	1,287 + 248 961 78
297	NORTHWESTERN UNIVERSITY EVANSTON ILLINOIS	1,916 + 1,916	384	CLEMSON UNIVERSITY CLEMSON SCAR	1,273 + 1,273
299	NEW YORK UNIVERSITY NEW YORK NEW YORK	1,896 + 1,896	389	CONNECTICUT UNIVERSITY OF FARMINGTON CONN STORRS CONN	1,241 + 268 973
308	PITTSBURGH UNIVERSITY OF PITTSBURGH PA	1,817 + 1,817	391	MICHIGAN TECHNOLOGICAL UNIVERSITY HOUGHTON MICHIGAN	1,231 + 1,231
310	COLORADO STATE UNIVERSITY FORT COLLINS COLORADO	1,806 + 1,806	393	DREXEL UNIVERSITY PHILADELPHIA PA	1,230 + 1,230
315	CASE WESTERN RESERVE UNIVERSITY CLEVELAND OHIO	1,744 + 1,744	409	FLORIDA TECHNOLOGICAL UNIVERSITY ORLANDO FLORIDA	1,132 + 1,132
317	GEORGETOWN UNIVERSITY WASHINGTON DC	1,730 + 1,730	416	LA JOLLA INSTITUTE LA JOLLA CALIFORNIA	1,094 + 1,094

- + MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 3. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Educational and Nonprofit Institutions: FY 1982
(Concluded)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
424	LOUISIANA STATE UNIVERSITY OF BATON ROUGE LOUISIANA NEW ORLEANS LOUISIANA	1,070 - 1,022 48			
429	RUTGERS UNIVERSITY NEW BRUNSWICK NEW JERSEY PISCATAWAY NEW JERSEY	1,024 - 976 48			
437	SYRACUSE UNIVERSITY ROME NEW YORK SYRACUSE NEW YORK	1,003 - 234 769			
441	HOWARD UNIVERSITY WASHINGTON DC	982 - 982			
442	PALISADES INSTITUTE NEW YORK NEW YORK	982 - 982			
446	MISSOURI UNIVERSITY OF COLUMBIA MISSOURI KANSAS CITY MISSOURI ROLLA MISSOURI	963 - 852 147 264			
449	WASHINGTON STATE UNIVERSITY PULLMAN WASHINGTON	957 - 957			
450	EMMANUEL COLLEGE LEXINGTON MASS	955 - 955			
466	ALABAMA UNIVERSITY OF BIRMINGHAM ALABAMA HUNTSVILLE ALABAMA NORMAL ALABAMA UNIVERSITY ALABAMA	917 - 275 529 25 88			
482	ARIZONA STATE UNIVERSITY TEMPE ARIZONA	852 - 852			
483	WASHINGTON UNIVERSITY ST LOUIS MISSOURI	849 - 849			
486	PALISADES GEOPHYSICAL INSTITUTE BERMUDA WEST NYACK NEW YORK	831 - 70- 901			
		1,457,166			

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 4. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to Foreign Contractors: FY 1982**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
143	CANADIAN COMMERCIAL CORP	7,206 *			
	WARMINSTER CANADA	7,121			
	MILAN PA	67			
		18			
170	MARCONI CO LTD	5,000 *			
	UN KINGDOM	5,000			
251	MARCONI AVIONICS INC	2,524 *			
	UN KINGDOM	2,524			
330	A S KONSBERG VAPENFABRIKK	1,620 *			
	NORWAY	1,620			
366	UNDERWATER & MARINE EQUIPMENT LTD	1,400 *			
	UN KINGDOM	1,400			
397	HUNTING ENGINEERING LTD	1,218 *			
	UN KINGDOM	1,218			
493	R E O S C	820 *			
	FRANCE	820			
		19,788			

* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 5. Net Value of DOD Prime Contract Awards Over \$10,000
for RDT&E to U.S. Government Agencies: FY 1982**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
78	UNITED STATES NATL AERO SPACE AGY PASADENA CALIFORNIA LANGLEY AFB VIRGINIA RIDGELEY WVA	20,248 - 158 78 20,012			
117	NATIONAL ACADEMY OF SCIENCES MONTEREY CALIFORNIA WASHINGTON DC ABERDEEN PROV MARYLAND BETHESDA MARYLAND	9,038 - 81 8,363 195 399			
240	UNITED STATES COMMERCE DEPT BOULDER COLORADO WASHINGTON DC GAITHERSBURG MARYLAND ROCKVILLE MARYLAND SEATTLE WASHINGTON	2,715 - 1,216 1,326 54 79 40			
425	NATIONAL SCIENCE FOUNDATION WASHINGTON DC	1,065 - 1,065			
		33,066			

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

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